

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 7/2/92

SUBJECT: Review of Region V CLP Data
Received for Review on June 1, 1992FROM: Charles T. Elly, Director (5SCDL) *Patrick J. Chumla for*
Central Regional LaboratoryTO: Data User: PRC

We have reviewed the data for the following case(s).

SITE NAME: Satralloy (OH) SMO Case No. 19026
EPA Data Set No. _____ No. of Samples 14 DU/Activity Numbers 1

CRL No. _____

SMO Traffic No. MERA 01-11, MERA 26-28CLP Laboratory: Dataschem Hrs. for Review 17+0.5 by 6-18-92

Following are our findings:

See Attached Review - PRC

- () Data are acceptable for use.
(X) Data are acceptable for use with qualifications.
() Data are preliminary - pending verification by laboratory.
() Data are unacceptable.

cc: Elenor McLean, Sample Mgmt. Office
Edward Kantor, EMSL-Las Vegas

The laboratory's portion of case 19026 contains 3 low level water and 11 low level soil samples assayed for total metals and total cyanide. The following narrative lists the out of control audits and their possible effects on the results.

LABORATORY: DATACHEM

CASE: 19026

EVIDENTIAL AUDIT: All forms are originals. All of the raw data sheets are originals. The original sample tags, Federal Express airbill, and chain of custody forms are present. All forms are present and in the order indicated on the Form DC-2 [inventory sheet]. Due to a pagination error by the laboratory, p. 129 does not exist [see phone log]. The ICP raw data sequence of p. 130 data following p. 128 data is as stated on Form 14 with no gaps. This was noted by the reviewer on Form DC-2.

SOIL [MERA01-11]

ICP ANALYSES: The soil duplicate RPDs for Ag (200%), Ba (37.2%), Ca (43.3%) and Na (33.8%) were not flagged by the laboratory because the duplicate differences did not exceed the technical criterion ($\pm 2 \times CRDL$) for soil samples. All soil Ag, Ba, Ca and Na data are acceptable.

The soil duplicate RPD for Cd (200%) was flagged by the laboratory. The duplicate difference for Cd does not exceed the technical criterion ($\pm 2 \times CRDL$) for soil samples. All soil Cd data are acceptable.

The soil matrix spike recovery for Sb (22.7%) is out of control. Sb data on MERA05 and -10 are estimated (J) due to low bias. All remaining soil Sb data are unusable (R) because the remaining Sb results are below IDL.

The matrix spike recovery for Mn (239.8%) was not flagged by the laboratory because the sample concentration was more than 4x the spike level. All soil Mn data are acceptable.

The soil preparation blank contains Cu (1.884 mg/Kg). The CCB contains Cu (13.5 $\mu\text{g}/\text{L}$), Ni (19.8 $\mu\text{g}/\text{L}$), K (1430.3 $\mu\text{g}/\text{L}$) and Zn (14.0 $\mu\text{g}/\text{L}$). Cu data on MERA05-11; Ni data on MERA07-09; K data on MERA10-11; and Zn data on MERA05-06 are estimated (J) due to contamination.

GFAA ANALYSES: The soil duplicate RPD for As (48.4%) is out of control. The soil matrix spike recovery for As (137.4%) is out of control. All soil As data are estimated (J) due to poor precision and high bias.

The soil matrix spike recovery for Pb (8.0%) was not flagged by the laboratory because the sample concentration was more than 4x the spike level. Soil Pb data are not qualified on this basis. The soil duplicate RPD for Pb (39.3%) is out of control. All soil Pb data are estimated (J) due to poor precision.

The soil duplicate RPD for Se (200%) was not flagged by the laboratory because the duplicate difference does not exceed the technical criterion ($\pm 2 \times \text{CRDL}$) for soil samples. Soil Se data are not qualified on this basis. The soil matrix spike recovery for Se (60.8%) is out of control. The Se results for MERA03-11 were flagged (W) by the laboratory. Se data on MERA03 is estimated (J) due to low bias and interference. Se data on MERA01-02 are estimated (UJ) due to possible elevation of the detection limit. Se data on MERA04-11 are estimated (UJ) due to possible elevation of the detection limit and interference.

OTHER ANALYSES: The soil duplicate RPD for Hg (200%) was flagged by the laboratory. The duplicate difference for Hg does not exceed the technical criterion ($\pm 2 \times \text{CRDL}$) for soil samples. Soil Hg data are not qualified on this basis. The soil matrix spike recovery for Hg (140.3%) is out of control. Hg data on MERA01, 04 and 11 are estimated (J) due to high bias. The remaining soil Hg results are acceptable, because their results are below IDL.

All soil CN data are acceptable.

WATER [MERA26-28]

ICP ANALYSES: The water duplicate audit for Cu (difference > CRDL) is out of control. The CCB contains Cu (23.9 $\mu\text{g}/\text{L}$). Cu data on MERA27 is estimated (J) due to poor precision and contamination. Cu data on MERA26 and 28 are estimated (J) due to poor precision.

The water duplicate RPDs for Al (200%) and Sb (200.0%) were not flagged by the laboratory because the duplicate differences did not exceed the technical criterion ($\pm \text{CRDL}$) for water samples. All water Sb data are acceptable. Water Al data are not qualified on this basis, but are qualified below.

The water serial dilution audit on Mn (16.0 %) is out of control. All water Mn data are estimated (J) due to interference.

The water preparation blank contains Al (31.296 $\mu\text{g}/\text{L}$) and Ca (51.102 $\mu\text{g}/\text{L}$). Al data on MERA26-27 and Ca data on MERA28 are estimated (J) due to contamination.

GFAA ANALYSES: The water duplicate RPD for As (33.9%) was not flagged by the laboratory because the duplicate difference does not exceed the technical criterion (\pm CRDL) for water samples. Water As data are not qualified on this basis, but are qualified below.

The water matrix spike recovery for Pb (68.6%) is out of control. Pb results on MERA26 were flagged (W) by the laboratory. Pb data on MERA28 is estimated (J) due to low bias. Pb data on MERA26 is estimated (UJ) due to possible elevation of the detection limit and interference. Pb data on MERA27 is estimated (UJ) due to possible elevation of the detection limit.

The water matrix spike recovery for Se (67.5%) is out of control. Se results on MERA26-27 were flagged (W) by the laboratory. Se data on MERA26-27 are estimated (UJ) due to possible elevation of the detection limit and interference. Se data on MERA28 is estimated (UJ) due to possible elevation of the detection limit.

Tl results on MERA26-27 were flagged (W) by the laboratory and are estimated (UJ) due to interference.

OTHER ANALYSES: The water matrix spike recovery for Hg (128.9%) is out of control. All water Hg data are acceptable, because their results are below IDL.

All water CN data are acceptable.

Sample MERA28 is a water field blank containing As (1.2 $\mu\text{g}/\text{L}$) and Fe (14.0 $\mu\text{g}/\text{L}$). As data on MERA26 and Fe data on MERA27 are estimated (J) due to field contamination.

Samples MERA26/27 are water field duplicates that show good field correlation.

Reviewed by: James Redlin
Lockheed/ESAT

Date: 6/15/92

A handwritten signature in black ink that reads "James Redlin". The signature is fluid and cursive, with "James" on the left and "Redlin" on the right, connected by a single stroke.

In Reference to Case No(s):

**Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
Telephone Record Log**

Date of Call:

Laboratory Name:

Lab Contact:

Region:

Regional Contact:

Call Initiated By: Laboratory Region

In reference to data for the following sample number(s):

Summary of Questions/Issues Discussed:

Summary of Resolution:

Signature

Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

In Reference to Case No(s):

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
Telephone Record Log

Date of Call: 6-12-91

Laboratory Name: DCI Lab

Lab Contact: John Smith DCI Lab

Region: DCI

Regional Contact: John Smith

Call Initiated By: Laboratory Region

In reference to data for the following sample number(s):

Summary of Questions/Issues Discussed:

Summary of Resolution:

Signature

Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

QC EXCEPTION SUMMARY REPORT

CASE # 19026
 DATA SET #
 LAB Q.C. #
 DATE: 6/9/92

SITE Satralloy
 LAB Data charm
 REVIEWED BY J. Redlin

MATRIX: So. 1
 CONC. : Low

WATER SAMPLE SPK. MERA 26
 WATER SAMPLE DUP. MERA 26
 SOIL SAMPLE SPK. MERA 02
 SOIL SAMPLE DUP. MERA 02

SOIL - 01-11 | water 26-28
 11 So. 1
 3 water

	OVERALL CASE QC										MATERIAL SPECIFIC QC						SAMPLE SPECIFIC QC			WATER FIELD QC				REGIONAL QC			OTHER/ COMMENTS
	Molding Time	Cal Blanks	Init Calvers	Contam Calvers	Prep BIL AQ	Prep BIL SOL	ICS %R	ICS %R	AQ	SOL	Soil Dup RPD	Soil Spk %R	AQ Dup RPD	AQ Spk %R	Ser Diln	AQ	SOL	GFAA Dup	GFAA Spike	Blank	Dup RPD	Dup %R	Spike	Blank	Blind Spike %R	Split Sample RPD	
Aluminum	OK		ok	ok	(31.296)	7.854	ok	ok	ok	ok			(200)	(200)						ok							
Antimony													22.7	(200)	(200)												
Arsenic	1.7												48.4	137.4	(33.9)	(22.2)											
Barium	3.5												(27.2)	(46.4DL)													
Beryllium																											
Cadmium													200	(2xCRDL)													
Calcium	28.3																										
Chromium	8.6																										
Cobalt																											
Copper	x23.9																										
Iron	19.9												200	(2xCRDL)													
Lead													39.3	(8.0)(4x)	368.63												
Magnesium																											
Manganese	+9+																										
Mercury																											
Nickel	(24.1)																										
Potassium	(1430.3)																										
Selenium																											
Silver																											
Sodium	21.7																										
Ininium																											
Tin																											
Vanadium																											
Zinc	x5.3																										
Cyanide	0																										

PBW

Al (31.296 µg/L) MERA 26-27
 Cu (51.102 µg/L) MERA 28

PBS

Cu (1.884 mg/kg) MERA 05, 06, 07,

water CCB

Cu (23.9 µg/L) MERA 26, 27

Ni (18.7 µg/L) MERA 26

As (1.7 µg/L) MERA 26

Field Blank

As (1.2 µg/L) MERA 26

Fe (14.0 µg/L) MERA 27

soil

Cu (13.5 µg/L) MERA 05-11

Ni (19.8 µg/L) MERA 05-09

K (1430.3 µg/L) MERA 10-11

Zn (14.0 µg/L) MERA 05-06

ENVIROFORMS/INORGANIC CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

SOW No.: 3/90

Sample No.
MERA01
MERA02
MERA02D
MERA02S
MERA03
MERA04
MERA05
MERA06
MERA07
MERA08
MERA09
MERA10
MERA11
MERA26
MERA26D
MERA26S
MERA27
MERA28

Lab Sample ID.
CLP10168
CLP10169
CLP10169
CLP10169
CLP10170
CLP10171
CLP10172
CLP10173
CLP10174
CLP10175
CLP10176
CLP10177
CLP10178
CLP10192
CLP10192
CLP10192
CLP10193
CLP10194

RECEIVED

JUN 01 1992

US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605.

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YES

If yes, were raw data generated before
application of background corrections?

Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: A. Brent Torgerson
Date: 15-29-92

Name: A. Brent Torgerson
Title: Department Manager

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA01

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10168

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 69.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16400			P
7440-36-0	Antimony	12.6	U	N	P
7440-38-2	Arsenic	29.0		N*	FM
7440-39-3	Barium	76.8			P
7440-41-7	Beryllium	0.70	B		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	6390			P
7440-47-3	Chromium	12400			P
7440-48-4	Cobalt	35.2			P
7440-50-8	Copper	119			P
7439-89-6	Iron	23000			P
7439-92-1	Lead	641		*	FM
7439-95-4	Magnesium	176000			P
7439-96-5	Manganese	1710			P
7439-97-6	Mercury	1.0		N	CV
7440-02-0	Nickel	664			P
7440-09-7	Potassium	354	B		P
7782-49-2	Selenium	0.14	U	NS	FM
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	118	B		P
7440-28-0	Thallium	1.8			FM
7440-62-2	Vanadium	31.5			P
7440-66-6	Zinc	3560			P
	Cyanide	3.6	U		AS

Color Before: BLACK

Clarity Before:

Texture: FINE

Color After: BLACK

Clarity After:

Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA02

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10169

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	10.7	U	N	P
7440-38-2	Arsenic	15.6		N*	FM
7440-39-3	Barium	74.8			P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.98	U		P
7440-70-2	Calcium	844	B		P
7440-47-3	Chromium	27.7			P
7440-48-4	Cobalt	15.7			P
7440-50-8	Copper	27.7			P
7439-89-6	Iron	36000			P
7439-92-1	Lead	33.0		*	FM
7439-95-4	Magnesium	3140			P
7439-96-5	Manganese	567			P
7439-97-6	Mercury	0.12	U	N	CV
7440-02-0	Nickel	29.8			P
7440-09-7	Potassium	1320			P
7782-49-2	Selenium	1.2	U	N	FM
7440-22-4	Silver	0.99	B		P
7440-23-5	Sodium	34.6	B		P
7440-28-0	Thallium	0.52	B		FM
7440-62-2	Vanadium	20.9			P
7440-66-6	Zinc	94.3			P
	Cyanide	3.0	U		AS

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: BROWN

Clarity After:

Artifacts:

Comments:

3

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

MERA03

Lab Code: DATAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10170

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700			P
7440-36-0	Antimony	12.4	U	N	P
7440-38-2	Arsenic	10.9		N*	FM
7440-39-3	Barium	195			P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	6320			P
7440-47-3	Chromium	115			P
7440-48-4	Cobalt	15.9			P
7440-50-8	Copper	27.2			P
7439-89-6	Iron	30500			P
7439-92-1	Lead	76.2		*	FM
7439-95-4	Magnesium	2530			P
7439-96-5	Manganese	1570			P
7439-97-6	Mercury	0.14	U	N	CV
7440-02-0	Nickel	35.6			P
7440-09-7	Potassium	1850			P
7782-49-2	Selenium	0.32	B	NW	FM
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	48.3	B		P
7440-28-0	Thallium	0.43	B		FM
7440-62-2	Vanadium	25.1			P
7440-66-6	Zinc	135			P
	Cyanide	3.5	U		AS

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: BROWN

Clarity After:

Artifacts:

Comments:

4

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA04

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10171

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 97.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3540			P
7440-36-0	Antimony	9.0	U	N	P
7440-38-2	Arsenic	1.8		N*	FM
7440-39-3	Barium	14.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.82	U		P
7440-70-2	Calcium	4690			P
7440-47-3	Chromium	1110			P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	124			P
7439-89-6	Iron	13100			P
7439-92-1	Lead	4.1		*	FM
7439-95-4	Magnesium	39400			P
7439-96-5	Manganese	206			P
7439-97-6	Mercury	0.26		N	CV
7440-02-0	Nickel	550			P
7440-09-7	Potassium	382	B		P
7782-49-2	Selenium	0.10	U	NW	FM
7440-22-4	Silver	0.82	U		P
7440-23-5	Sodium	48.0	B		P
7440-28-0	Thallium	0.10	U		FM
7440-62-2	Vanadium	6.4	B		P
7440-66-6	Zinc	18.9			P
	Cyanide	2.6	U		AS

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: BROWN

Clarity After:

Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA05

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10172

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 51.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	671			P
7440-36-0	Antimony	21.6	B	N	P
7440-38-2	Arsenic	1.2	B	N*	FM
7440-39-3	Barium	77.4	B		P
7440-41-7	Beryllium	0.39	U		P
7440-43-9	Cadmium	1.6	U		P
7440-70-2	Calcium	343000			P
7440-47-3	Chromium	28.0			P
7440-48-4	Cobalt	1.6	U		P
7440-50-8	Copper	6.8	B		P
7439-89-6	Iron	426			P
7439-92-1	Lead	1.7		*	FM
7439-95-4	Magnesium	8690			P
7439-96-5	Manganese	105			P
7439-97-6	Mercury	0.19	U	N	CV
7440-02-0	Nickel	6.6	U		P
7440-09-7	Potassium	262	B		P
7782-49-2	Selenium	1.9	U	NW	FM
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	238	B		P
7440-28-0	Thallium	0.19	U		FM
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	21.2			P
	Cyanide	4.9	U		AS

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

6

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA06

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10173

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 40.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1110			P
7440-36-0	Antimony	21.9	U	N	P
7440-38-2	Arsenic	4.8		N*	FM
7440-39-3	Barium	43.5	B		P
7440-41-7	Beryllium	0.50	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	282000			P
7440-47-3	Chromium	49.2			P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	8.7	B		P
7439-89-6	Iron	761			P
7439-92-1	Lead	5.6		*	FM
7439-95-4	Magnesium	8080			P
7439-96-5	Manganese	177			P
7439-97-6	Mercury	0.25	U	N	CV
7440-02-0	Nickel	8.5	U		P
7440-09-7	Potassium	308	U		P
7782-49-2	Selenium	2.5	U	NW	FM
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	0.25	U		FM
7440-62-2	Vanadium	15.1	B		P
7440-66-6	Zinc	11.0			P
	Cyanide	6.2	U		AS

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

MERA07

Lab Code: DATAAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10174

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 44.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2660			P
7440-36-0	Antimony	19.8	U	N	P
7440-38-2	Arsenic	2.5		N*	FM
7440-39-3	Barium	68.6	B		P
7440-41-7	Beryllium	0.45	U		P
7440-43-9	Cadmium	1.8	B		P
7440-70-2	Calcium	269000			P
7440-47-3	Chromium	134			P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	9.0	B		P
7439-89-6	Iron	3370			P
7439-92-1	Lead	6.8		*	FM
7439-95-4	Magnesium	5850			P
7439-96-5	Manganese	378			P
7439-97-6	Mercury	0.22	U	N	CV
7440-02-0	Nickel	16.7	B		P
7440-09-7	Potassium	659	B		P
7782-49-2	Selenium	2.2	U	NW	FM
7440-22-4	Silver	1.8	U		P
7440-23-5	Sodium	213	B		P
7440-28-0	Thallium	0.22	U		FM
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	71.6			P
	Cyanide	5.6	U		AS

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA08

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10175

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 40.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15200			P
7440-36-0	Antimony	22.0	U	N	P
7440-38-2	Arsenic	23.6		N*	FM
7440-39-3	Barium	82.2	B		P
7440-41-7	Beryllium	0.50	U		P
7440-43-9	Cadmium	2.1	B		P
7440-70-2	Calcium	123000			P
7440-47-3	Chromium	1850			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	17.9			P
7439-89-6	Iron	7870			P
7439-92-1	Lead	35.4		*	FM
7439-95-4	Magnesium	42000			P
7439-96-5	Manganese	3040			P
7439-97-6	Mercury	0.25	U	N	CV
7440-02-0	Nickel	35.2			P
7440-09-7	Potassium	1150	B		P
7782-49-2	Selenium	2.5	U	NW	FM
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	200	B		P
7440-28-0	Thallium	0.44	B		FM
7440-62-2	Vanadium	37.0			P
7440-66-6	Zinc	180			P
	Cyanide	6.2	U		AS

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

MERA09

Lab Code: DATAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10176

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 30.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15000	-		P
7440-36-0	Antimony	28.9	U	N	P
7440-38-2	Arsenic	21.2		N*	FM
7440-39-3	Barium	79.2	B		P
7440-41-7	Beryllium	0.66	U		P
7440-43-9	Cadmium	2.6	U		P
7440-70-2	Calcium	153000			P
7440-47-3	Chromium	1410			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	21.9			P
7439-89-6	Iron	6020			P
7439-92-1	Lead	35.2		*	FM
7439-95-4	Magnesium	37000			P
7439-96-5	Manganese	2610			P
7439-97-6	Mercury	0.33	U	N	CV
7440-02-0	Nickel	25.9	B		P
7440-09-7	Potassium	1020	B		P
7782-49-2	Selenium	3.3	U	NW	FM
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	210	B		P
7440-28-0	Thallium	0.44	B		FM
7440-62-2	Vanadium	35.3			P
7440-66-6	Zinc	207			P
	Cyanide	8.2	U		AS

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

10

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

MERA10

Lab Code: DATAAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10177

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 48.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19900			P
7440-36-0	Antimony	20.1	B	N	P
7440-38-2	Arsenic	29.4		N*	FM
7440-39-3	Barium	105			P
7440-41-7	Beryllium	0.41	U		P
7440-43-9	Cadmium	3.4			P
7440-70-2	Calcium	133000			P
7440-47-3	Chromium	1960			P
7440-48-4	Cobalt	6.5	B		P
7440-50-8	Copper	24.0			P
7439-89-6	Iron	7840			P
7439-92-1	Lead	43.8		*	FM
7439-95-4	Magnesium	58000			P
7439-96-5	Manganese	2840			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	44.5			P
7440-09-7	Potassium	1430	B		P
7782-49-2	Selenium	2.0	U	NW	FM
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	235	B		P
7440-28-0	Thallium	0.62	B		FM
7440-62-2	Vanadium	36.7			P
7440-66-6	Zinc	237			P
	Cyanide	5.1	U		AS

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

11

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

MERA11

Lab Code: DATAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Lab Sample ID: CLP10178

Level (low/med): LOW

Date Received: 04/29/92

% Solids: 73.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14600	-		P
7440-36-0	Antimony	11.9	U	N	P
7440-38-2	Arsenic	17.7		N*	FM
7440-39-3	Barium	42.6	B		P
7440-41-7	Beryllium	0.27	U		P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	193000			P
7440-47-3	Chromium	3000			P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	15.9			P
7439-89-6	Iron	3690			P
7439-92-1	Lead	57.0		*	FM
7439-95-4	Magnesium	46600			P
7439-96-5	Manganese	3360			P
7439-97-6	Mercury	0.19		N	CV
7440-02-0	Nickel	64.8			P
7440-09-7	Potassium	597	B		P
7782-49-2	Selenium	1.4	U	NW	FM
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	114	B		P
7440-28-0	Thallium	0.41	B		FM
7440-62-2	Vanadium	36.7			P
7440-66-6	Zinc	457			P
	Cyanide	3.4	U		AS

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: COLORLESS

Clarity After:

Artifacts:

Comments:

12

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA26

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): WATER

Lab Sample ID: CLP10192

Level (low/med): LOW

Date Received: 04/30/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.2	B		PM
7440-36-0	Antimony	48.9	U		P
7440-38-2	Arsenic	1.9	B		FM
7440-39-3	Barium	26.1	B		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	4.4	U		P
7440-70-2	Calcium	174000			P
7440-47-3	Chromium	7.8	U		P
7440-48-4	Cobalt	4.4	U		P
7440-50-8	Copper	4.4	U	*	P
7439-89-6	Iron	7.8	U		P
7439-92-1	Lead	1.1	U	NW	FM
7439-95-4	Magnesium	35400			P
7439-96-5	Manganese	140	E		P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	18.9	U		P
7440-09-7	Potassium	2800	B		P
7782-49-2	Selenium	1.1	U	NW	FM
7440-22-4	Silver	4.4	U		P
7440-23-5	Sodium	24700			P
7440-28-0	Thallium	1.1	U	W	FM
7440-62-2	Vanadium	5.6	U		P
7440-66-6	Zinc	5.6	U		P
	Cyanide	20.0	U		AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

13

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

MERA27

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): WATER

Lab Sample ID: CLP10193

Level (low/med): LOW

Date Received: 04/30/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.2	B		P
7440-36-0	Antimony	48.9	U		P
7440-38-2	Arsenic	1.1	U		FM
7440-39-3	Barium	27.8	B		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	4.4	U		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	7.8	U		P
7440-48-4	Cobalt	4.4	U		P
7440-50-8	Copper	6.6	B	*	P
7439-89-6	Iron	14.0	B		P
7439-92-1	Lead	11.1	U	N	FM
7439-95-4	Magnesium	38200			P
7439-96-5	Manganese	143	E		P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	18.9	U		P
7440-09-7	Potassium	3090	B		P
7782-49-2	Selenium	1.1	U	NW	FM
7440-22-4	Silver	4.4	U		P
7440-23-5	Sodium	26400			P
7440-28-0	Thallium	1.1	U	W	FM
7440-62-2	Vanadium	5.6	U		P
7440-66-6	Zinc	5.6	U		P
	Cyanide	10.0	U		AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

14

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA28

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): WATER

Lab Sample ID: CLP10194

Level (low/med): LOW

Date Received: 04/30/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.7	U		P
7440-36-0	Antimony	48.9	U		P
7440-38-2	Arsenic	1.2	B		FM
7440-39-3	Barium	2.2	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	4.4	U		P
7440-70-2	Calcium	66.3	B		P
7440-47-3	Chromium	7.8	U		P
7440-48-4	Cobalt	4.4	U		P
7440-50-8	Copper	4.4	U	*	P
7439-89-6	Iron	14.0	B		P
7439-92-1	Lead	3.6		N	FM
7439-95-4	Magnesium	64.4	U		P
7439-96-5	Manganese	1.1	U	E	P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	18.9	U		P
7440-09-7	Potassium	689	U		P
7782-49-2	Selenium	1.1	U	N	FM
7440-22-4	Silver	4.4	U		P
7440-23-5	Sodium	711	B		P
7440-28-0	Thallium	1.1	U		FM
7440-62-2	Vanadium	5.6	U		P
7440-66-6	Zinc	5.6	U		P
	Cyanide	10.0	U		AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib.		Continuing Calibration						Preparation		M
	Blank (ug/L)	C	Blank (ug/L)	1	C	2	C	3	C	Blank	C
Aluminum	24.0	U	24.0	U	24.0	U	-26.8	B	31.296	B	P
Antimony	44.0	U	44.0	U	44.0	U	44.0	U	48.889	U	P
Arsenic	1.3	B	1.2	B	1.0	U	1.0	U	1.111	U	FM
Barium	2.0	U	2.9	B	2.9	B	2.0	U	2.222	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.111	U	P
Cadmium	4.0	U	4.0	U	4.0	U	4.0	U	4.444	U	P
Calcium	23.0	U	28.3	B	27.6	B	23.0	U	51.102	B	P
Chromium	7.0	U	7.0	U	7.0	U	7.0	U	7.778	U	P
Cobalt	4.0	U	4.0	U	4.0	U	-7.2	B	4.444	U	P
Copper	4.0	U	10.5	B	16.4	B	23.9	B	4.444	U	P
Iron	7.0	U	7.0	U	7.0	U	7.0	U	7.778	U	P
Lead	1.0	U	1.0	U	1.0	U	1.0	U	1.111	U	FM
Magnesium	58.0	U	58.0	U	58.0	U	58.0	U	64.444	U	P
Manganese	1.0	U	1.3	B	1.3	B	-5.3	B	1.111	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV
Nickel	17.0	U	24.1	B	18.7	B	17.0	U	32.675	B	P
Potassium	620.0	U	620.0	U	620.0	U	620.0	U	688.889	U	P
Selenium	1.0	U	1.0	U	1.0	U	1.0	U	1.111	U	FM
Silver	4.0	U	4.0	U	4.0	U	4.0	U	4.444	U	P
Sodium	18.0	U	18.0	U	18.0	U	18.0	U	26.479	B	P
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	1.111	U	FM
Vanadium	-7.6	B	5.0	U	5.0	U	-5.8	B	-16.819	B	P
Zinc	5.0	U	5.0	U	5.0	U	5.0	U	5.556	U	P
Cyanide	20.0	U	20.0	U	20.0	U	20.0	U	10.000	U	AS

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum			24.0	U					7.859	B	P
Antimony			44.0	U					8.800	U	P
Arsenic			1.7	B	1.6	B			0.100	U	FM
Barium			2.0	U					0.400	U	P
Beryllium			1.0	U					0.200	U	P
Cadmium			4.0	U					0.800	U	P
Calcium			23.0	U					4.600	U	P
Chromium			7.0	U					1.400	U	P
Cobalt			-7.2	B					0.800	U	P
Copper			9.0	B					1.884	B	P
Iron			7.0	U					2.571	B	P
Lead			1.0	U	1.0	U	1.0	U	0.100	U	FM
Magnesium			58.0	U					11.600	U	P
Manganese			-4.7	B					0.200	U	P
Mercury			0.2	U					0.100	U	CV
Nickel			-21.7	B					3.400	U	P
Potassium			620.0	U					124.000	U	P
Selenium			1.0	U	1.0	U	1.0	U	0.100	U	FM
Silver			4.0	U					0.800	U	P
Sodium			18.0	U					5.763	B	P
Thallium			1.0	U	1.0	U	1.0	U	0.100	U	FM
Vanadium			5.0	U					-1.444	B	P
Zinc			5.0	U					1.390	B	P
Cyanide			20.0	U					2.500	U	AS

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib.		Continuing Calibration Blank (ug/L)						Preparation Blank		M
	Blank (ug/L)	C	1	C	2	C	3	C	C	M	
Aluminum	24.0	U	24.0	U	24.0	U	24.0	U			P
Antimony	44.0	U	44.0	U	44.0	U	44.0	U			P
Arsenic	1.0	U	1.0	U	1.0	U					FM
Barium	2.8	B	3.5	B	2.8	B	2.8	B			P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U			P
Cadmium	4.0	U	4.0	U	4.0	U	4.0	U			P
Calcium	23.0	U	23.0	U	23.0	U	25.2	B			P
Chromium	7.0	U	7.0	U	8.6	B	7.0	U			P
Cobalt	-5.3	B	4.0	U	4.0	U	4.0	U			P
Copper	10.8	B	16.1	B	13.5	B	12.1	B			P
Iron	7.0	U	7.0	B	18.7	B	17.5	B			P
Lead			1.0	U	1.0	U					FM
Magnesium	58.0	U	58.0	U	58.0	U	58.0	U			P
Manganese	1.0	U	1.2	B	1.0	U	1.9	B			P
Mercury											NR
Nickel	23.5	B	17.0	U	17.0	U	19.8	B			P
Potassium	620.0	U	620.0	U	620.0	U	620.0	U			P
Selenium			1.0	U							FM
Silver	4.0	U	4.0	U	4.0	U	4.0	U			P
Sodium	18.0	U	18.0	U	18.0	U	18.0	U			P
Thallium	1.0	U	1.0	U	1.0	U	1.0	U			FM
Vanadium	5.0	U	5.0	U	-7.2	B	-7.2	B			P
Zinc	13.9	B	15.3	B	14.0	B	8.3	B			P
Cyanide											NR

3
BLANKS

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149
Lab Code: DATAC Case No.: 19026 SAS No.:
SDG No.: MERA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)			Continuing Calibration Blank (ug/L)			Prepara- tion Blank		
	C	1	C	2	C	3	C	M	C
Aluminum	-	24.0	U	-	-	-	-	P	P
Antimony	-	44.0	U	-	-	-	-	FM	P
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U	P
Barium	-	2.8	B	-	-	-	-	P	P
Beryllium	-	1.0	U	-	-	-	-	P	P
Cadmium	-	4.0	U	-	-	-	-	P	P
Calcium	-	23.0	U	-	-	-	-	P	P
Chromium	-	7.0	U	-	-	-	-	P	P
Cobalt	-	4.0	U	-	-	-	-	P	P
Copper	-	9.4	B	-	-	-	-	P	P
Iron	-	19.9	B	-	-	-	-	P	P
Lead	1.0	U	1.0	U	1.0	U	1.0	U	NR
Magnesium	-	58.0	U	-	-	-	-	P	P
Manganese	-	1.2	B	-	-	-	-	FM	P
Mercury	-	17.0	U	-	-	-	-	P	P
Nickel	-	1.2	B	-	-	-	-	NR	P
Potassium	-	1430.3	B	-	-	-	-	P	P
Selenium	1.0	U	1.0	U	1.0	U	3.6	B	FM
Silver	-	4.0	U	-	-	-	-	P	P
Sodium	-	21.7	B	-	-	-	-	P	P
Thallium	-	1.0	U	1.0	U	-	-	FM	P
Vanadium	-	5.0	U	-	-	-	-	P	P
Zinc	-	9.7	B	-	-	-	-	P	NR
Cyanide	-	-	-	-	-	-	-	-	-

3
BLANKS

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG No.: MERA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)			Continuing Calibration Blank (ug/L)			Prepara- tion Blank		
	C	1	C	2	C	3	C	M	P
Aluminum									NR
Antimony	44.0	44.0	44.0	44.0	44.0	44.0			P
Arsenic									FM
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		1.0	1.0	1.0	1.0	1.0			FM
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									FM
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATA~~C~~

Case No.: 19026

SAS No.:

SDG No.: MERA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. (ug/L)	C	Continuing Calibration						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum											NR
Antimony											NR
Arsenic			1.0	U	1.0	U					FM
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			1.0	U							FM
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium			1.0	U							FM
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

3
BLANKS

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc Case No.: 19026 SAS No.: SDG No.: MERA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)			Prepara- tion Blank	C	M
		1	C	2			
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead	-1.4	B	-1.4	B	-1.0	B	FM
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA02S

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL
% Solids for Sample: 82.0

Level (low/med): LOW

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	27.6561		10.7317	U	121.95	22.7	N	P
Arsenic	75-125	22.3049		15.5976		4.88	137.4	N	FM
Barium	75-125	590.1711		74.7866		487.80	105.7	P	
Beryllium	75-125	13.1744		0.2864	B	12.20	105.6	P	
Cadmium	75-125	13.1063		0.9756	U	12.20	107.4	P	
Calcium								NR	
Chromium	75-125	78.7819		27.6644		48.78	104.8	P	
Cobalt	75-125	147.3693		15.6625		121.95	108.0	P	
Copper	75-125	96.5572		27.7248		60.98	112.9	P	
Iron								NR	
Lead		33.1707		32.9756		2.44	8.0	FM	
Magnesium								NR	
Manganese		859.4525		566.9641		121.95	239.8	P	
Mercury	75-125	0.8561		0.1220	U	0.61	140.3	N	CV
Nickel	75-125	159.4551		29.8300		121.95	106.3	P	
Potassium								NR	
Selenium	75-125	0.7415		1.2195	U	1.22	60.8	N	FM
Silver	75-125	13.3345		0.9858	B	12.20	101.2	P	
Sodium								NR	
Thallium	75-125	6.8012		0.5159	B	6.10	103.0	FM	
Vanadium	75-125	151.2648		20.9318		121.95	106.9	P	
Zinc	75-125	211.9364		94.2746		121.95	96.5	P	
Cyanide	75-125	28.6585		3.0488	U	30.49	94.0	AS	

Comments:

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA26S

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): WATER
% Solids for Sample: 0.0

Level (low/med): LOW

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2407.3291	-	45.2237	B	2222.22	106.3	PM	
Antimony	75-125	591.3944	-	48.8889	U	555.56	106.5	PM	
Arsenic	75-125	47.0667	-	1.8778	B	44.44	101.7	FM	
Barium	75-125	2428.5867	-	26.1016	B	2222.22	108.1	PM	
Beryllium	75-125	59.1780	-	1.1111	U	55.56	106.5	P	
Cadmium	75-125	59.0426	-	4.4444	U	55.56	106.3	PM	
Calcium								NR	
Chromium	75-125	235.3394	-	7.7778	U	222.22	105.9	PM	
Cobalt	75-125	593.9483	-	4.4444	U	555.56	106.9	PM	
Copper	75-125	323.4367	-	4.4444	U	277.78	116.4	PM	
Iron	75-125	1237.2484	-	7.7778	U	1111.11	111.4	PM	
Lead	75-125	15.2333	-	1.1111	U	22.22	68.6	N	FM
Magnesium								NR	
Manganese	75-125	735.2619	-	140.4278	-	555.56	107.1	PM	
Mercury	75-125	1.2890	-	0.2000	U	1.00	128.9	N	CV
Nickel	75-125	611.0648	-	18.8889	U	555.56	110.0	PM	
Potassium								NR	
Selenium	75-125	7.5000	-	1.1111	U	11.11	67.5	N	PM
Silver	75-125	60.4728	-	4.4444	U	55.56	108.8	PM	
Sodium								NR	
Thallium	75-125	47.9889	-	1.1111	U	55.56	86.4	PM	
Vanadium	75-125	611.5210	-	5.5556	U	555.56	110.1	PM	
Zinc	75-125	596.3007	-	5.5556	U	555.56	107.3	PM	
Cyanide	75-125	188.5000	-	20.0000	U	200.00	94.2	AS	

Comments:

ENVIROFORMS/INORGANIC CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

MERA02A

Lab Code: DATA~~C~~

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum								NR
Antimony		126.77		44.00	U	120.0	105.6	P
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

Comments:

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

MERA02D

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 82.0

% Solids for Duplicate: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		11155.8720		11928.2810		6.7	-	P
Antimony		10.7317	U	10.7317	U		-	P
Arsenic		15.5976		9.5232		48.4	*	FM
Barium	48.8	74.7866		108.9651		37.2	-	P
Beryllium		0.2864	B	0.2805	B	2.1	-	P
Cadmium	1.2	0.9756	U	2.0834		200.0	*	P
Calcium	1219.5	843.7311	B	1309.3724		43.3	-	P
Chromium		27.6644		27.6083		0.2	-	P
Cobalt	12.2	15.6625		17.0647		8.6	-	P
Copper	6.1	27.7248		33.3512		18.4	-	P
Iron		35988.4680		34541.5090		4.1	-	P
Lead		32.9756		22.1463		39.3	*	FM
Magnesium	1219.5	3139.9867		3189.7747		1.6	-	P
Manganese		566.9641		676.5789		17.6	-	P
Mercury	0.1	0.1220	U	0.1732		200.0	*	CV
Nickel	9.8	29.8300		26.2174		12.9	-	P
Potassium	1219.5	1322.7469		1712.9340		25.7	-	P
Selenium		1.2195	U	0.1951	B	200.0	-	FM
Silver		0.9858	B	0.9756	U	200.0	-	P
Sodium		34.5870	B	48.6423	B	33.8	-	P
Thallium		0.5159	B	0.4256	B	19.2	-	FM
Vanadium	12.2	20.9318		24.6892		16.5	-	P
Zinc		94.2746		84.2525		11.2	-	P
Cyanide		3.0488	U	3.0488	U			AS

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

MERA26D

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate:

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		45.2237	B	26.6667	U	200.0		PM
Antimony		48.8889	U	49.7007	B	200.0		PM
Arsenic		1.8778	B	1.3333	B	33.9		FM
Barium		26.1016	B	26.1842	B	0.3		PM
Beryllium		1.1111	U	1.1111	U			PM
Cadmium		4.4444	U	4.4444	U			PM
Calcium		173912.1500		178334.2300		2.5		PM
Chromium		7.7778	U	7.7778	U			PM
Cobalt		4.4444	U	4.4444	U			PM
Copper	27.8	4.4444	U	38.1676		200.0	*	PM
Iron		7.7778	U	7.7778	U			PM
Lead		1.1111	U	1.1111	U			FM
Magnesium		35445.1210		35541.2560		0.3		PM
Manganese		140.4278		136.5501		2.8		PM
Mercury		0.2000	U	0.2000	U			CV
Nickel		18.8889	U	18.8889	U			PM
Potassium		2802.2171	B	2410.1517	B	15.0		PM
Selenium		1.1111	U	1.1111	U			FM
Silver		4.4444	U	4.4444	U			PM
Sodium	5555.6	24677.7040		24844.3330		0.7		PM
Thallium		1.1111	U	1.1111	U			FM
Vanadium		5.5556	U	5.5556	U			PM
Zinc		5.5556	U	5.5556	U			PM
Cyanide		20.0000	U	20.0000	U			AS

ENVIROFORMS/INORGANIC CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number:

ICP-B

Date: 04/16/92

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200.0	24.0	P
Antimony	206.80		60.0	44.0	P
Arsenic			10.0		NR
Barium	493.40		200.0	2.0	P
Beryllium	313.00		5.0	1.0	P
Cadmium	228.80		5.0	4.0	P
Calcium	315.80		5000.0	23.0	P
Chromium	267.70		10.0	7.0	P
Cobalt	228.60		50.0	4.0	P
Copper	327.40		25.0	4.0	P
Iron	259.90		100.0	7.0	P
Lead			3.0		NR
Magnesium	279.00		5000.0	58.0	P
Manganese	257.60		15.0	1.0	P
Mercury			0.2		NR
Nickel	231.60		40.0	17.0	P
Potassium	766.40		5000.0	620.0	P
Selenium			5.0		NR
Silver	328.00		10.0	4.0	P
Sodium	588.90		5000.0	18.0	P
Thallium			10.0		NR
Vanadium	292.40		50.0	5.0	P
Zinc	213.80		20.0	5.0	P

Comments:

BOTH MICROWAVE AND HOTPLATE DIGESTION METHODS WERE USED TO PREPARE THIS SET OF SAMPLES.

MICROWAVE DIGESTION WAS DONE ON THE ICP WATER SAMPLES
HOTPLATE DIGESTION WAS DONE ON THE ICP SOIL SAMPLES.

ENVIROFORMS/INORGANIC CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number:

Date: 04/08/92

Flame AA ID Number:

Furnace AA ID Number: AAS-ZEB

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		NR
Antimony			60.0		NR
Arsenic			10.0		NR
Barium			200.0		NR
Beryllium			5.0		NR
Cadmium			5.0		NR
Calcium			5000.0		NR
Chromium			10.0		NR
Cobalt			50.0		NR
Copper			25.0		NR
Iron			100.0		NR
Lead			3.0		NR
Magnesium			5000.0		NR
Manganese			15.0		NR
Mercury			0.2		NR
Nickel			40.0		NR
Potassium			5000.0		NR
Selenium			5.0		NR
Silver			10.0		NR
Sodium			5000.0		NR
Thallium	276.80	BZ	10.0	1.0	FM
Vanadium			50.0		NR
Zinc			20.0		NR

Comments:

ENVIROFORMS/INORGANIC CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number:

Date: 04/06/92

Flame AA ID Number:

Furnace AA ID Number: AAS-ZEC

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		NR
Antimony			60.0		NR
Arsenic			10.0		NR
Barium			200.0		NR
Beryllium			5.0		NR
Cadmium			5.0		NR
Calcium			5000.0		NR
Chromium			10.0		NR
Cobalt			50.0		NR
Copper			25.0		NR
Iron			100.0		NR
Lead			3.0		NR
Magnesium			5000.0		NR
Manganese			15.0		NR
Mercury			0.2		NR
Nickel			40.0		NR
Potassium			5000.0		NR
Selenium	196.00	BZ	5.0	1.0	FM
Silver			10.0		NR
Sodium			5000.0		NR
Thallium			10.0		NR
Vanadium			50.0		NR
Zinc			20.0		NR

Comments:

49

ENVIROFORMS/INORGANIC CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number:

Date: 04/06/92

Flame AA ID Number:

Furnace AA ID Number: AAS-ZED

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		NR
Antimony			60.0		NR
Arsenic			10.0		NR
Barium			200.0		NR
Beryllium			5.0		NR
Cadmium			5.0		NR
Calcium			5000.0		NR
Chromium			10.0		NR
Cobalt			50.0		NR
Copper			25.0		NR
Iron			100.0		NR
Lead	283.30	BZ	3.0	1.0	FM
Magnesium			5000.0		NR
Manganese			15.0		NR
Mercury			0.2		NR
Nickel			40.0		NR
Potassium			5000.0		NR
Selenium			5.0		NR
Silver			10.0		NR
Sodium			5000.0		NR
Thallium			10.0		NR
Vanadium			50.0		NR
Zinc			20.0		NR

Comments:

ENVIROFORMS/INORGANIC CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number:

Date: 04/08/92

Flame AA ID Number:

Furnace AA ID Number: AAS-ZEE

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		NR
Antimony			60.0		NR
Arsenic	193.70	BZ	10.0	1.0	FM
Barium			200.0		NR
Beryllium			5.0		NR
Cadmium			5.0		NR
Calcium			5000.0		NR
Chromium			10.0		NR
Cobalt			50.0		NR
Copper			25.0		NR
Iron			100.0		NR
Lead			3.0		NR
Magnesium			5000.0		NR
Manganese			15.0		NR
Mercury			0.2		NR
Nickel			40.0		NR
Potassium			5000.0		NR
Selenium			5.0		NR
Silver			10.0		NR
Sodium			5000.0		NR
Thallium			10.0		NR
Vanadium			50.0		NR
Zinc			20.0		NR

Comments:

ENVIROFORMS/INORGANIC CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number:

Date: 04/14/92

Flame AA ID Number: AAS-CVC

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		NR
Antimony			60.0		NR
Arsenic			10.0		NR
Barium			200.0		NR
Beryllium			5.0		NR
Cadmium			5.0		NR
Calcium			5000.0		NR
Chromium			10.0		NR
Cobalt			50.0		NR
Copper			25.0		NR
Iron			100.0		NR
Lead			3.0		NR
Magnesium			5000.0		NR
Manganese			15.0		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40.0		NR
Potassium			5000.0		NR
Selenium			5.0		NR
Silver			10.0		NR
Sodium			5000.0		NR
Thallium			10.0		NR
Vanadium			50.0		NR
Zinc			20.0		NR

Comments:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No. _____ CERCLIS No. (OH) _____

Case No. 19026 Site Name Location: Satralley

Contractor or EPA Lab: Datachem Data User: PRC

No. of Samples: 14 Date Samples or Data Received: June 1, 1992

Have Chain-of-Custody records been received? YES NO ✓

Have traffic reports or packing lists been received? YES NO ✓

If no, are traffic report or packing list numbers written on the chain-of-custody record? YES NO _____

If no, which traffic report or packing list numbers are missing?

Are basic data forms in? YES ✓ NO _____
No. of samples claimed: 14 No. of samples received: 14

Received by: Lynette Burnett Date: June 1, 1992

Received by LS5S: JM Date: 6-1-92

Review started: 6/9/92 Reviewer Signature: J. Rodlin

Total time spent on review: 17 Date review completed: 6-15-92
+0.5 BY 6-18-92

Copied by: _____ Date: _____

Mailed to user by A.D. Harris Date: 7-13-92

DATA USERS:

Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [] Suitable for Intended Purpose [] ✓ if OK

Organic Data Complete [] Suitable for Intended Purpose [] list

Dioxin Data Complete [] Suitable for Intended Purpose [] prblms

SAS Data Complete [] Suitable for Intended Purpose [] below.

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files Date: _____

INORGANIC COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME DataChem Laboratories **CITY/STATE** Salt Lake City, Utah

CASE NO. 19026 **SDG NO.** MERRD **SDG NOS. TO FOLLOW** NA NA NA **SAS NO.** NA

CONTRACT NO. 68-DO-0149 **SOW NO.** 3/90 **IPB NO.** NA

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II G AND SECTION III U)

	PAGE NOS FROM	PAGE NOS TO	CHECK LAB	CHECK KPA
1. Inventory Sheet (Form DC-2) (Do not number)			✓	✓
2. Cover Page	1	1	✓	✓
3. Inorganic Analysis Data Sheet (Form I)	2	15	✓	✓
4. Initial and Continuing Calibration Verification (Form II, Part 1)	16	24	✓	✓
5. CRDL Standard for AA and ICP (Form II, Part 2)	25	27	✓	✓
6. Blanks (Form III)	28	34	✓	✓
7. ICP Interference Check Sample (Form IV)	35	37	✓	✓
8. Spike Sample Recovery (Form V, Part 1)	38	39	✓	✓
9. Post Digest Spike Sample Recovery (Form V, Part 2)	40	40	✓	✓
10. Duplicates (Form VI)	41	42	✓	✓
11. Laboratory Control Sample (Form VII)	43	43	✓	✓
12. Standard Addition Results (Form VIII)	44	44	✓	✓
13. ICP Serial Dilutions (Form IX)	45	46	✓	✓
14. Instrument Detection Limits, Quarterly (Form X)	47	52	✓	✓
15. ICP Interelement Correction Factors, Annually (Form XI, Part 1)	53	53	✓	✓
16. ICP Interelement Correction Factors, Annually (Form XI, Part 2)	54	54	✓	✓
17. ICP Linear Ranges Quarterly (Form XII)	55	55	✓	✓
18. Preparation Log (Form XIII)	56	63	✓	✓
19. Analysis Run Log (Form XIV)	64	94	✓	✓
20. ICP Raw Data	95	130	✓	✓
21. Flame AA Raw Data	188	188	✓	✓
22. Furnace AA Raw Data	130	130	✓	✓
23. Mercury Raw Data	189	379	✓	✓
24. Cyanide Raw Data	380	386	✓	✓
25. Percent Solids Calculations	387	390	✓	✓
	391	396	✓	✓

RECEIVED

JUN 01 1992

US EPA CENTRAL REGIONAL
336 S. CLARK ST.
CHICAGO, ILLINOIS 60605

JR 95-128
6/10/92

34. COMMISSIONERS: Due to a partial failure occur by the distributor, p 129 does not exist. 6/15/92
Completed by: John A. Tresenren/Treasurer Date Processed, 6/15/92
Approved by: James Rollin / Chairman (Printed Name/Title) 6/15/92
Completed by: James Rollin / Chairman (Signature) (S/Stamp/Initials) (Date)
Approved by: (Printed Name/Title) 6/15/92
Completed by: (Signature) (S/Stamp/Initials) (Date)
Approved by: (Printed Name/Title) 6/15/92
Completed by: (Signature) (S/Stamp/Initials) (Date)

Case Narrative

33. Other Records (except of late)

Preparation records **Analysts' records** **Instrument and Standard Logbooks** **Notes and Laboratory WorkSheets**

31. Internal Lab Sample Transfer Records and Tracking Sheets
(described on List)
DataChex Laboratory Case-of-Chastody records

30. **Accessories Shampooing Records**
(late all individual records)
Telephone Logs
Sample Work Order

Sample Tag Sheet
Sample Log-In Sheet (Tab & Form DC-1)
SDG Cover Sheet

29. EPA Sampling/Recycling Documents
Altairess (No. of Samples 2)
Chaka-of-Custody Records See Traffic Reports

26. Digestion Logs (Cyanides Only)
 27. Digestion Logs
 28. Treatment Report

FROM TO LAST REGIONAL
PAGE NO. CHEQUE

INORGANIC CORPIKETE SDG FILE (CSF) INVENTORY SHEET (Contd)

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 19026 SDG No. MERAOL SDG Nos. To Follow _____ SAS No. _____ Date Recvd 6/01/92

EPA Lab ID:	<u>Datachem</u>	ITEMS	YES	NO	N/A
Lab Location:	<u>Salt Lake City</u>	CUSTODY SEALS			
Region: V	Audit No.:	1. Present on package?			
Re-Submitted CSF? Yes	No	2. Intact upon receipt?			
Box No(s):	FORM DC-2				
COMMENTS:	3) due to a pagination error, page 129 in the ICP data does not exist.	3. Numbering scheme accurate?	✓		
	4. Are enclosed documents listed?	✓			
	5. Are listed documents enclosed?	✓			
	FORM DC-1				
	6. Present?	✓			
	7. Complete?	✓			
	8. Accurate?	✓			
	CHAIN-OF-CUSTODY RECORD(s)				
	9. Signed?	✓			
	10. Dated?	✓			
	TRAFFIC REPORT(s)				
	PACKING LIST(s)				
	11. Signed?	✓			
	12. Dated?	✓			
	AIRBILLS/AIRBILL STICKER				
	13. Present?	✓			
	14. Signed?	✓			
	15. Dated?	✓			
	SAMPLE TAGS				
	16. Does DC-1 list tags as being included?	✓			
	17. Present?	✓			
	ALL DOCUMENTS				
	18. Activities identified?	✓			
	19. Legible?	✓			
	20. Original?	✓			
	20a. If "NO," does the copy indicate where original documents are located?				

Received by: *Jeanette Burgess*

Audited by: James Redlin

Audited by:

Signature

Printed Name/Title

Date 6/1/92

Date 6/15/92

Date _____

TO BE COMPLETED BY CEAT

Date Recd by CEAT: / /

Date Entered: / /

Date Reviewed: / /

Entered by:

Reviewed by:-

Reviewed by: _____

Signature

Printed Name/Title

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration			M		
	True	Found	%R(1)	True	Found	%R(1)			
Aluminum	2056.0	2069.44	100.7	25000.0	25185.48	100.7	25453.07	101.8	P
Antimony	1024.0	1065.74	104.1	5000.0	5102.82	102.1	5094.09	101.9	P
Arsenic	50.0	49.69	99.4	50.0	49.50	99.0	51.54	103.1	FM
Barium	2078.0	2135.52	102.8	5000.0	5045.51	100.9	5103.51	102.1	P
Beryllium	508.0	527.20	103.8	5000.0	5059.41	101.2	5074.06	101.5	P
Cadmium	516.0	550.64	106.7	5000.0	5129.31	102.6	5152.81	103.1	P
Calcium	51382.0	53274.59	103.7	25000.0	25571.94	102.3	25627.78	102.5	P
Chromium	514.0	535.09	104.1	5000.0	5124.43	102.5	5142.51	102.9	P
Cobalt	499.0	522.22	104.7	5000.0	5138.02	102.8	5142.29	102.8	P
Copper	525.0	565.05	107.6	5000.0	5029.86	100.6	5122.56	102.5	P
Iron	2147.0	2125.90	99.0	25000.0	25551.04	102.2	25671.57	102.7	P
Lead	50.0	49.49	99.0	50.0	49.76	99.5	49.78	99.6	FM
Magnesium	25587.0	26751.22	104.6	25000.0	24983.32	99.9	25456.54	101.8	P
Manganese	509.0	527.23	103.6	5000.0	5108.03	102.2	5138.79	102.8	P
Mercury	5.0	5.00	100.0	5.0	5.21	104.2	5.27	105.4	CV
Nickel	504.0	543.20	107.8	5000.0	5164.55	103.3	5149.85	103.0	P
Potassium	50563.0	54085.08	107.0	25000.0	25306.12	101.2	25727.88	102.9	P
Selenium	50.0	51.45	102.9	50.0	51.83	103.7	49.85	99.7	FM
Silver	517.0	550.29	106.4	1000.0	1022.06	102.2	1015.65	101.6	P
Sodium	52348.0	54115.10	103.4	25000.0	25111.02	100.4	25451.01	101.8	P
Thallium	50.0	49.30	98.6	50.0	50.47	100.9	51.29	102.6	FM
Vanadium	517.0	529.12	102.3	5000.0	5050.02	101.0	5072.69	101.5	P
Zinc	3052.0	3230.91	105.9	5000.0	5156.41	103.1	5142.32	102.8	P
Cyanide	120.0	103.40	86.2	100.0	99.80	99.8	98.70	98.7	AS

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M
	True	Found	%R(1)	True	Found	%R(1)	Found	
Aluminum				25000.0	25320.91	101.3	25407.74	101.6
Antimony				5000.0	5042.64	100.9	5010.82	100.2
Arsenic				50.0	50.74	101.5	49.62	99.2
Barium				5000.0	5121.14	102.4	5129.24	102.6
Beryllium				5000.0	5152.03	103.0	5167.04	103.3
Cadmium				5000.0	5110.68	102.2	5073.98	101.5
Calcium				25000.0	25743.59	103.0	25918.00	103.7
Chromium				5000.0	5178.30	103.6	5178.30	103.6
Cobalt				5000.0	5200.07	104.0	5201.53	104.0
Copper				5000.0	5095.52	101.9	5071.63	101.4
Iron				25000.0	25891.82	103.6	25871.66	103.5
Lead				50.0	51.09	102.2	52.91	105.8
Magnesium				25000.0	25379.40	101.5	25528.47	102.1
Manganese				5000.0	5165.26	103.3	5159.92	103.2
Mercury				5.0	5.58	111.6	5.60	112.0
Nickel				5000.0	5176.56	103.5	5160.28	103.2
Potassium				25000.0	25227.90	100.9	25629.54	102.5
Selenium				50.0	48.04	96.1	47.28	94.6
Silver				1000.0	1024.03	102.4	1022.59	102.3
Sodium				25000.0	25394.96	101.6	25392.17	101.6
Thallium				50.0	50.20	100.4	50.65	101.3
Vanadium				5000.0	5128.35	102.6	5141.78	102.8
Zinc				5000.0	5166.93	103.3	5154.61	103.1
Cyanide				100.0	101.00	101.0	100.90	100.9

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M
	True	Found	%R(1)	True	Found	%R(1)	Found	
Aluminum	2056.0	2010.36	97.8	25000.0	24964.28	99.9	24896.60	99.6
Antimony	1024.0	989.35	96.6	5000.0	5058.68	101.2	4978.33	99.6
Arsenic				50.0	51.05	102.1		FM
Barium	2078.0	2108.91	101.5	5000.0	5022.55	100.5	5023.24	100.5
Beryllium	508.0	492.78	97.0	5000.0	5050.00	101.0	5042.84	100.9
Cadmium	516.0	514.33	99.7	5000.0	5095.12	101.9	4999.84	100.0
Calcium	51382.0	51773.91	100.8	25000.0	25381.09	101.5	25279.05	101.1
Chromium	514.0	527.97	102.7	5000.0	5072.09	101.4	5053.54	101.1
Cobalt	499.0	519.13	104.0	5000.0	5095.19	101.9	5057.91	101.2
Copper	525.0	535.40	102.0	5000.0	5030.93	100.6	5018.82	100.4
Iron	2147.0	2101.22	97.9	25000.0	25446.43	101.8	25336.58	101.3
Lead				50.0	49.67	99.3	50.92	101.8
Magnesium	25587.0	26303.95	102.8	25000.0	25056.87	100.2	24953.69	99.8
Manganese	509.0	519.51	102.1	5000.0	5083.97	101.7	5041.68	100.8
Mercury								NR
Nickel	504.0	532.68	105.7	5000.0	5032.81	100.7	5029.07	100.6
Potassium	50563.0	52810.93	104.4	25000.0	25166.13	100.7	25169.00	100.7
Selenium				50.0	50.84	101.7	53.12	106.2
Silver	517.0	524.11	101.4	1000.0	1011.76	101.2	1000.12	100.0
Sodium	52348.0	53250.26	101.7	25000.0	24933.71	99.7	25081.92	100.3
Thallium				50.0	49.57	99.1	50.66	101.3
Vanadium	517.0	531.57	102.8	5000.0	5051.32	101.0	5022.48	100.4
Zinc	3052.0	3051.40	100.0	5000.0	5112.19	102.2	5032.63	100.7
Cyanide								NR

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M
	True	Found	%R(1)	True	Found	%R(1)	Found	
Aluminum				25000.0	25316.10	101.3	25021.44	100.1
Antimony				5000.0	5071.01	101.4	4981.19	99.6
Arsenic	50.0	49.13	98.3	50.0	51.44	102.9	50.12	100.2
Barium				5000.0	5100.24	102.0	5068.33	101.4
Beryllium				5000.0	5114.69	102.3	5081.42	101.6
Cadmium				5000.0	5089.10	101.8	4990.47	99.8
Calcium				25000.0	25791.07	103.2	25329.46	101.3
Chromium				5000.0	5132.02	102.6	5067.80	101.4
Cobalt				5000.0	5151.07	103.0	5083.18	101.7
Copper				5000.0	5122.40	102.4	5073.98	101.5
Iron				25000.0	25732.76	102.9	25430.07	101.7
Lead				50.0	50.95	101.9	49.73	99.5
Magnesium				25000.0	25686.53	102.7	25290.00	101.2
Manganese				5000.0	5154.87	103.1	5079.61	101.6
Mercury								NR
Nickel				5000.0	5155.11	103.1	5098.24	102.0
Potassium				25000.0	25777.68	103.1	25657.38	102.6
Selenium				50.0	50.50	101.0		FM
Silver				1000.0	1025.02	102.5	1002.96	100.3
Sodium				25000.0	25419.21	101.7	25114.88	100.5
Thallium	50.0	49.93	99.9	50.0	48.22	96.4	47.68	95.4
Vanadium				5000.0	5130.64	102.6	5054.94	101.1
Zinc				5000.0	5111.50	102.2	5061.58	101.2
Cyanide								NR

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATA CHEM LABORATORIES

Contract: 68-DO-0149

Lab Code: DATA1

Case No.: 19026

SAS No.:

SDG No. : MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration			M
	True	Found	%R(1)	True	Found	%R(1)	
Aluminum							NR
Antimony							NR
Arsenic				50.0	49.46	98.9	54.74 109.5 FM
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead				50.0	51.19	102.4	51.73 103.5 FM
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium				50.0	46.34	92.7	49.80 99.6 FM
Silver							NR
Sodium							NR
Thallium				50.0	48.37	96.7	FM
Vanadium							NR
Zinc							NR
Cyanide							NR

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration			M
	True	Found	%R(1)	True	Found	%R(1)	
Aluminum							NR
Antimony							NR
Arsenic				50.0	49.83	99.7	52.14
Barium							FM
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead				50.0	50.28	100.6	50.07
Magnesium							FM
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium				50.0	51.99	104.0	47.82
Silver							95.6
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration			M
	True	Found	%R(1)	True	Found	%R(1)	
Aluminum							NR
Antimony							NR
Arsenic				50.0	48.48	97.0	50.06
Barium							100.1
Beryllium							FM
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead				50.0	50.34	100.7	FM
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium				50.0	50.61	101.2	NR
Silver							FM
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration			M		
	True	Found	%R(1)	True	Found	%R(1)			
Aluminum							NR		
Antimony							NR		
Arsenic							NR		
Barium							NR		
Beryllium							NR		
Cadmium							NR		
Calcium							NR		
Chromium							NR		
Cobalt							NR		
Copper							NR		
Iron							NR		
Lead	50.0	53.57	107.1	50.0	51.58	103.2	48.56	97.1	FM
Magnesium								NR	
Manganese								NR	
Mercury								NR	
Nickel								NR	
Potassium								NR	
Selenium								NR	
Silver								NR	
Sodium								NR	
Thallium								NR	
Vanadium								NR	
Zinc								NR	
Cyanide								NR	

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ENVIROFORMS/INORGANIC CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

AA CRDL Standard Source: SPEX

ICP CRDL Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial	Found	%R	Found	%R
Aluminum				400.0	521.27	130.3	511.68	127.9
Antimony				120.0	171.47	142.9	173.59	144.7
Arsenic	10.0	10.73	107.3					
Barium				400.0	414.77	103.7	423.45	105.9
Beryllium				10.0	9.39	93.9	9.60	96.0
Cadmium				10.0	14.94	149.4	13.97	139.7
Calcium				10000.0	10670.03	106.7	10810.07	108.1
Chromium				20.0	21.40	107.0	15.59	78.0
Cobalt				100.0	102.46	102.5	101.13	101.1
Copper				50.0	61.28	122.6	67.18	134.4
Iron				200.0	272.12	136.1	294.77	147.4
Lead	3.0	2.78	92.7					
Magnesium				10000.0	10623.10	106.2	10907.96	109.1
Manganese				30.0	32.55	108.5	27.85	92.8
Mercury								
Nickel				80.0	103.02	128.8	82.85	103.6
Potassium				10000.0	10389.31	103.9	10450.69	104.5
Selenium	5.0	5.15	103.0					
Silver				20.0	21.62	108.1	23.17	115.8
Sodium				10000.0	10420.90	104.2	10599.67	106.0
Thallium	10.0	10.41	104.1					
Vanadium				100.0	102.12	102.1	111.22	111.2
Zinc				40.0	53.37	133.4	60.13	150.3

ENVIROFORMS/INORGANIC CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

AA CRDL Standard Source: SPEX

ICP CRDL Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial	Found	%R	Found	%R
Aluminum				400.0	505.08	126.3	525.10	131.3
Antimony				120.0	140.83	117.4	165.58	138.0
Arsenic	10.0	10.72	107.2					
Barium				400.0	409.30	102.3	413.46	103.4
Beryllium				10.0	10.32	103.2	11.62	116.2
Cadmium				10.0	12.65	126.5	8.66	86.6
Calcium				10000.0	10339.78	103.4	10387.11	103.9
Chromium				20.0	25.97	129.8	24.55	122.8
Cobalt				100.0	105.17	105.2	105.18	105.2
Copper				50.0	57.84	115.7	61.87	123.7
Iron				200.0	267.63	133.8	294.51	147.3
Lead	3.0	3.86	128.7					
Magnesium				10000.0	10416.31	104.2	10542.15	105.4
Manganese				30.0	31.54	105.1	23.45	78.2
Mercury								
Nickel				80.0	90.24	112.8	84.06	105.1
Potassium				10000.0	10340.96	103.4	10193.92	101.9
Selenium	5.0	5.66	113.2					
Silver				20.0	21.50	107.5	20.85	104.2
Sodium				10000.0	10287.49	102.9	10373.18	103.7
Thallium	10.0	10.60	106.0					
Vanadium				100.0	100.98	101.0	104.58	104.6
Zinc				40.0	51.19	128.0	47.01	117.5

ENVIROFORMS/INORGANIC CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

AA CRDL Standard Source: SPEX

ICP CRDL Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial	Found	%R	Found	%R
Aluminum								
Antimony								
Arsenic	10.0	10.52	105.2	120.0	97.93	81.6	114.36	95.3
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	3.0	1.99	66.3					
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

ENVIROFORMS/INORGANIC CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number: ICP-B

ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	540055	536472	539726	537005.4	100.1	553351	553127.2	103.1
Antimony		500	-40	473.3	94.7	-30	464.6	92.9
Arsenic								
Barium		502	13	486.7	97.0	13	502.2	100.0
Beryllium		480	-3	517.7	107.9	-4	535.2	111.5
Cadmium		907	1	952.1	105.0	2	964.2	106.3
Calcium	494040	512228	508193	506246.3	98.8	528542	524064.6	102.3
Chromium	21	529	21	508.1	96.0	10	506.9	95.8
Cobalt		477	9	466.0	97.7	-1	467.1	97.9
Copper		543	36	554.4	102.1	17	549.0	101.1
Iron	206236	199845	193601	192727.4	96.4	200303	198952.0	99.6
Lead								
Magnesium	531358	527530	517279	515766.0	97.8	535069	534997.5	101.4
Manganese	34	496	26	478.6	96.5	23	491.3	99.1
Mercury								
Nickel		940	33	940.1	100.0	-4	951.5	101.2
Potassium			17	-102.8		-23	-550.3	
Selenium								
Silver		960	-2	950.2	99.0	0	972.4	101.3
Sodium			1781	1809.4		1811	1841.2	
Thallium								
Vanadium		509	4	469.5	92.2	13	494.7	97.2
Zinc	216	1208	219	1237.6	102.5	227	1265.6	104.8

ENVIROFORMS/INORGANIC CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number: ICP-B

ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	540055	536472	518142	520392.7	97.0	534061	521125.6	97.1
Antimony		500	-59	518.2	103.6	9	508.7	101.7
Arsenic								
Barium		502	12	477.3	95.1	12	475.9	94.8
Beryllium		480	-3	478.5	99.7	-3	486.3	101.3
Cadmium		907	4	906.4	99.9	1	900.3	99.3
Calcium	494040	512228	486377	491833.7	96.0	503334	490552.8	95.8
Chromium	21	529	18	495.8	93.7	15	491.5	92.9
Cobalt		477	2	450.0	94.3	1	451.4	94.6
Copper		543	30	518.6	95.5	19	518.6	95.5
Iron	206236	199845	186986	188326.6	94.2	192359	187863.8	94.0
Lead								
Magnesium	531358	527530	500393	505132.8	95.8	522654	509644.2	96.6
Manganese	34	496	25	468.7	94.5	12	484.8	97.7
Mercury								
Nickel		940	10	885.8	94.2	2	900.6	95.8
Potassium			89	29.1		255	91.2	
Selenium								
Silver		960	-3	911.8	95.0	-4	918.6	95.7
Sodium			1747	1770.0		1817	1781.3	
Thallium								
Vanadium		509	7	463.2	91.0	3	463.2	91.0
Zinc	216	1208	206	1176.2	97.4	212	1183.2	97.9

ENVIROFORMS/INORGANIC CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number: ICP-B

ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony		500	-43	446.9	89.4	57	432.0	86.4
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

ENVIROFORMS/INORGANIC CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: DATACHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Solid LCS Source: EPA0287

Aqueous LCS Source: EPA-LV

Analyte	Aqueous (ug/L)			Solid (mg/kg)					%R
	True	Found	%R	True	Found	C	Limits		
Aluminum	2000.0	2058.55	102.9	325.0	327.0	-	225.0	424.0	100.6
Antimony	600.0	652.08	108.7	211.0	170.5	-	127.0	294.0	80.8
Arsenic	50.0	49.22	98.4	917.0	1158.4	-	635.0	1199.0	126.3
Barium	2000.0	2013.08	100.7	4.8	5.3	B	0.0	40.0	110.4
Beryllium	50.0	47.36	94.7	19.4	19.3	-	16.5	22.3	99.5
Cadmium	50.0	53.14	106.3	45.4	46.3	-	35.7	55.1	102.0
Calcium	50000.0	49938.75	99.9	196200.0	180814.7	-	166800.0	225600.0	92.2
Chromium	100.0	103.54	103.5	99.6	102.1	-	79.2	120.0	102.5
Cobalt	500.0	493.39	98.7	144.0	146.3	-	125.0	262.0	101.6
Copper	250.0	269.04	107.6	6910.0	6792.7	-	6006.0	7820.0	98.3
Iron	1000.0	1027.18	102.7	22430.0	21419.5	-	17770.0	27080.0	95.5
Lead	50.0	42.30	84.6	236.0	259.8	-	188.0	285.0	110.1
Magnesium	50000.0	50431.07	100.9	118100.0	116668.4	-	100400.0	129900.0	98.8
Manganese	150.0	155.51	103.7	208.0	201.1	-	177.0	239.0	96.7
Mercury				12.7	13.6	-	8.5	17.0	107.1
Nickel	400.0	431.18	107.8	60.9	51.5	-	49.2	72.6	84.6
Potassium	50000.0	50911.33	101.8	50.0	124.0	U	0.0	1000.0	0.0
Selenium	50.0	48.78	97.6	39.2	36.5	-	19.1	59.4	93.1
Silver	100.0	101.81	101.8	22.2	20.9	-	15.5	29.0	94.1
Sodium	50000.0	50889.44	101.8	50.0	41.0	B	0.0	1000.0	82.0
Thallium	50.0	50.38	100.8	39.0	42.2	-	24.6	53.5	108.2
Vanadium	500.0	500.09	100.0	65.8	68.6	-	51.7	79.9	104.3
Zinc	200.0	209.92	105.0	187.0	169.5	-	138.0	236.0	90.6
Cyanide				5.6	5.6	-	4.3	6.9	100.0

ENVIROFORMS/INORGANIC CLP

8
STANDARD ADDITION RESULTS

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATA1

Case No.: 19026

SAS No.:

SDG No.: MERA01

Concentration Units: ug/L

ENVIROFORMS/INORGANIC CLP

9
ICP SERIAL DILUTIONS

SAMPLE NO.

MERA02L

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum	45739.08		45392.62		0.8	P	
Antimony	44.00	U	220.00	U		P	
Arsenic						NR	
Barium	306.62		305.24	B	0.5	P	
Beryllium	1.17	B	5.00	U	100.0	P	
Cadmium	4.00	U	33.01			P	
Calcium	3459.30	B	3451.31	B	0.2	P	
Chromium	113.42		139.18		22.7	P	
Cobalt	64.22		49.46	B	23.0	P	
Copper	113.67		190.32		67.4	P	
Iron	147552.72		148716.79		0.8	P	
Lead						NR	
Magnesium	12873.95		12786.06	B	0.7	P	
Manganese	2324.55		2316.50		0.3	P	
Mercury						NR	
Nickel	122.30		179.09	B	46.4	P	
Potassium	5423.26		5762.22	B	6.3	P	
Selenium						NR	
Silver	4.04	B	20.00	U	100.0	P	
Sodium	141.81	B	401.13	B	182.9	P	
Thallium						NR	
Vanadium	85.82		65.78	B	23.4	P	
Zinc	386.53		418.09		8.2	P	

ENVIROFORMS/INORGANIC CLP

9
ICP SERIAL DILUTIONS

SAMPLE NO.

MERA26L

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum	40.70	B	1123.20		*****		PM
Antimony	44.00	U	220.00	U			PM
Arsenic							NR
Barium	23.49	B	22.09	B	6.0		PM
Beryllium	1.00	U	5.00	U			PM
Cadmium	4.00	U	20.00	U			PM
Calcium	156520.94		161936.35		3.5		PM
Chromium	7.00	U	35.00	U			PM
Cobalt	4.00	U	20.00	U			PM
Copper	4.00	U	29.86	B			PM
Iron	7.00	U	35.00	U			PM
Lead							NR
Magnesium	31900.61		31299.08		1.9		PM
Manganese	126.38		106.21		16.0	E	PM
Mercury							NR
Nickel	17.00	U	85.00	U			PM
Potassium	2522.00	B	3100.00	U	100.0		PM
Selenium							NR
Silver	4.00	U	20.00	U			PM
Sodium	22209.93		21695.79	B	2.3		PM
Thallium							NR
Vanadium	5.00	U	25.00	U			PM
Zinc	5.00	U	25.00	U			PM

ENVIROFORMS/INORGANIC CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (Annually)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number: ICP-B

Date: 04/16/92

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Cr
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000500
Antimony	206.80	0.0000000	0.0002200	0.0002100	0.0005500	0.0070100
Arsenic						
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	-0.0000300	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0001100	0.0000000	0.0000000
Copper	327.40	0.0000000	0.0000000	0.0002100	0.0000000	0.0000000
Iron	259.90	0.0000600	0.0000000	0.0000000	0.0000000	0.0003500
Lead						
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006800
Manganese	257.60	0.0000100	0.0000000	-0.0000300	0.0000200	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium						
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium						
Vanadium	292.40	0.0000000	0.0000000	0.0001600	0.0000000	0.0002500
Zinc	213.80	0.0000000	0.0000000	0.0001400	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number: ICP-B

Date: 04/16/92

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cu	As	Mn	Ni	V
Aluminum	308.20	0.0000000	0.0000000	0.0012000	0.0000000	0.0156600
Antimony	206.80	0.0000000	0.0000000	0.0000000	-0.0013900	-0.0019800
Arsenic						
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0038800
Cadmium	228.80	0.0000000	0.0035000	0.0000000	-0.0001600	0.0000600
Calcium	315.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0001500	0.0000000	0.0004400
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0004100	0.0000000
Copper	327.40	0.0000000	0.0000000	0.0000000	0.0000300	-0.0001300
Iron	259.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead						
Magnesium	279.00	0.0000000	0.0000000	-0.0090400	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001800
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium						
Silver	328.00	0.0000000	0.0000000	0.0000800	0.0000000	-0.0043300
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	-0.0032000
Thallium						
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.80	0.0027500	0.0000000	0.0004400	0.0028500	0.0000000

Comments:

ENVIROFORMS/INORGANIC CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

ICP ID Number: ICP-B

Date: 04/16/92

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	5.00	1000000.0	
Antimony	5.00	10000.0	
Arsenic			NR
Barium	5.00	10000.0	
Beryllium	5.00	100000.0	
Cadmium	5.00	100000.0	
Calcium	5.00	1000000.0	
Chromium	5.00	200000.0	
Cobalt	5.00	100000.0	
Copper	5.00	200000.0	
Iron	5.00	500000.0	
Lead			NR
Magnesium	5.00	1000000.0	
Manganese	5.00	100000.0	
Mercury			NR
Nickel	5.00	100000.0	
Potassium	5.00	1000000.0	
Selenium			NR
Silver	5.00	2000.0	
Sodium	5.00	500000.0	
Thallium			NR
Vanadium	5.00	100000.0	
Zinc	5.00	100000.0	

Comments:

ENVIROFORMS/INORGANIC CLP

13 Preparation Log

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAAC

Case No.: 19026

SAS No.:

SDG No.: MERA01

Method: AS

Preparation Log 13

Lab Name : DATA CHEM LABORATORIES Contract #: 68-DO-0149

Method: AS

Preparation Log 13

Lab Name: DATACHEM LABORATORIES

Contract #: 68-D0-0149

Lash Code: DATA Case No.: 18

SAC : NO 201 : MEDICAL

Method: 57

ENVIROFORMS/INORGANIC CLP

13
Preparation Log

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No. i

SDG No.: MERA01

Method: cv

Preparation Log 13

Contract: 68-DO-0149

contract: 68-DO-0149

Lab Code: DATA01 Case No.: 19026 SAS No.: SDG No.: MERA01

Method : FM

ENVIROFORMS/INORGANIC CLP

13
Preparation Log

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATA1

Case No.: 19026

SAS No.:

SDG No.: MERA01

Method: FM

ENVIROFORMS/INORGANIC CLP

13
Preparation Log

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D0-0149

Lab Code: DATA C

Case No.: 19026

SAS No.:

SDG No.: MERA01

Method: P

ENVIROFORMS/INORGANIC CLP

Preparation Log 13

Lab Name: DATACHEM LABORATORIES

contract: 68-D0-0149

Lab Code: DATAc Case No.: 19026

SAS No.:

Method: P

14

Analysis Run Log

Lab Name: DATACHEM LABORATORIES Contract: 68-D0-014⁹
 Lab Code: DATA C SAS No.: 19026 SDG No.: MERA01
 Instrument ID Number: AAS-ZEE Method: FM
 Start Date: 05/15/92 End Date: 05/15/92

Sample No.	D/F	Time	% R	Analytes																		
				A	S	B	B	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
L	B	S	A	E	D	A	R	O	U	E	B	G	N	I	E	G	A	L	N	N		
SO	1.00	0819		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S10	1.00	0822		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S20	1.00	0826		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S50	1.00	0830		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S100	1.00	0834		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICV	1.00	0839		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICB	1.00	0843		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV1	1.00	0847		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB1	1.00	0851		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRA	1.00	0855		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0859		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0903		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0908		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0912		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0916		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0920		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0924		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0928		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV2	1.00	0932		-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-
CCB2	1.00	0936		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0940		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0944		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0948		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0952		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0956		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1000		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1004		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1008		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV3	1.00	1016		-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-
CCB3	1.00	1021		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1025		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
Lab Code: DATA C Case No.: 19026 SAS No.: SDG No.: MERA01
Instrument ID Number: AAS-ZEE Method: FM
Start Date: 05/15/92 End Date: 05/15/92

Analysis Run Log 14

14

Lab Name: DATA CHEM LABORATORIES **Contract:** 68-D0-0149
Lab Code: DATA C **Case No.:** 19026 **SAS No.:** SDG No.: MERA01
Instrument ID Number: AAS-ZEE **Method:** FM
Start Date: 05/15/92 **End Date:** 05/15/92

ENVIROFORMS/INORGANIC CLP

Analysis Run Log 14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG No.: MERA01
 Instrument ID Number: AAS-ZEE Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																				
				L	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
SO	1.00	0918																						
S10	1.00	0922																						
S20	1.00	0926																						
S50	1.00	0930																						
S100	1.00	0934																						
ICV3	1.00	0938																						
ICB3	1.00	0942																						
CCV8	1.00	0946																						
CCB8	1.00	0950																						
CRA3	1.00	0955																						
PBS	1.00	0959																						
PBSA	1.00	1003	103.9																					
LCSS	200.00	1007																						
LCSSA	200.00	1011	102.0																					
MERA01	1.00	1015																						
MERA02	1.00	1020																						
MERA02S	1.00	1024																						
CCB9	1.00	1028																						
CCV9	1.00	1032																						
CCB9	1.00	1036																						
ZZZZZ	1.00	1040																						
ZZZZZ	1.00	1043																						
CCV10	1.00	1048																						
CCB10	1.00	1051																						
MERA02D	1.00	1055																						
MERA02DA	1.00	1059	94.0																					
MERA03	1.00	1103																						
MERA03A	1.00	1107	100.6																					
MERA04	1.00	1111																						
MERA04A	1.00	1115	99.6																					
MERA05	1.00	1119																						
MERA05A	1.00	1124	110.9																					

ENVIROFORMS/INORGANIC CLP

Analysis Run Log

14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.:
 Instrument ID Number: AAS-ZEE Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																			
				A	S	A	B	B	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
MERA06	1.00	1128	106.8	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV11	1.00	1136	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB11	1.00	1140	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZ	1.00	1144	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV12	1.00	1152	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB12	1.00	1156	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07	1.00	1200	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07A	1.00	1204	101.9	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08	1.00	1209	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08A	1.00	1213	99.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09	1.00	1217	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09A	1.00	1221	99.7	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10	1.00	1225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11	1.00	1229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB13	1.00	1233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV13	1.00	1237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB13	1.00	1241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA01	20.00	1246	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA01A	20.00	1250	95.5	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02	10.00	1254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02A	10.00	1258	100.5	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02S	10.00	1302	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08	8.00	1306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08A	8.00	1310	99.1	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10	10.00	1314	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10A	10.00	1319	96.9	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV14	1.00	1323	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB14	1.00	1327	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02S	10.00	1331	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11	10.00	1335	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENVIROFORMS/INORGANIC CLP

Analysis Run Log 14

14

Lab Name: DATACHEM LABORATORIES **Contract:** 68-D0-0149
Lab Code: DATA C **Case No.:** 19026 **SAS No.:** SDG No.: MERA01
Instrument ID Number: AAS-ZEE **Method:** FM
Start Date: 05/18/92 **End Date:** 05/18/92

ENVIROFORMS/INORGANIC CLP

14
Analysis Run Log

Lab Name: DATAChem LABORATORIES
 Lab Code: DATAC Case No.: 19026
 Instrument ID Number: AAS-ZED
 Start Date: 05/15/92

Contract: 68-D0-0149
 SAS No.: SDG No.: MERA01
 Method: FM
 End Date: 05/15/92

Sample No.	D/F	Time	% R	Analytes																				
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N	N	N	N
S0	1.00	0913																						
S3	1.00	0917																						
S20	1.00	0920																						
S50	1.00	0924																						
S100	1.00	0928																						
ICV	1.00	0933																						
ICB	1.00	0937																						
CCV1	1.00	0941																						
CCB1	1.00	0945																						
CRA	1.00	0949																						
ZZZZZZ	1.00	0954																						
ZZZZZZ	1.00	0958																						
ZZZZZZ	1.00	1002																						
ZZZZZZ	1.00	1006																						
ZZZZZZ	1.00	1010																						
ZZZZZZ	1.00	1015																						
ZZZZZZ	1.00	1019																						
ZZZZZZ	1.00	1023																						
CCV2	1.00	1027																	X					
CCB2	1.00	1031																	X					
ZZZZZZ	1.00	1036																						
ZZZZZZ	1.00	1040																						
ZZZZZZ	1.00	1044																						
ZZZZZZ	1.00	1051																						
ZZZZZZ	1.00	1054																						
ZZZZZZ	1.00	1101																						
ZZZZZZ	1.00	1105																						
ZZZZZZ	1.00	1109																						
ZZZZZZ	1.00	1113																		X				
CCV3	1.00	1117																						
CCB3	1.00	1121																		X				
ZZZZZZ	1.00	1126																						

14

Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATA Case No.: 19026 SDG No.: MERA01
 Instrument ID Number: AAS-ZED Method: FM
 Start Date: 05/15/92 End Date: 05/15/92

Sample No.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	F	P	M	H	N	K	S	A	N	T	V	Z	C	N
L	B	S	A	E	D	A	R	O	U	E	B	G	N	I	E	G	A	L	N	E	G	A	L	N	E
ZZZZZZ	1.00	1130																							
ZZZZZZ	1.00	1134																							
ZZZZZZ	1.00	1138																							
ZZZZZZ	1.00	1142																							
ZZZZZZ	1.00	1146																							
ZZZZZZ	1.00	1150																							
ZZZZZZ	1.00	1154																							
ZZZZZZ	1.00	1159																							
CCV4	1.00	1203														X	X								
CCB4	1.00	1207														X	X								
ZZZZZZ	1.00	1258																							
ZZZZZZ	1.00	1302																							
ZZZZZZ	1.00	1306																							
ZZZZZZ	1.00	1310																							
ZZZZZZ	1.00	1315																							
ZZZZZZ	1.00	1319																							
CCV5	1.00	1323																							
CCB5	1.00	1327																							
PBW	1.00	1332																							
PBWA	1.00	1336	80.6																						
LCSW	1.00	1340																							
LCSWA	1.00	1345	142.7																						
MERA26	1.00	1349																							
MERA26A	1.00	1353	60.8																						
MERA26D	1.00	1357																							
MERA26DA	1.00	1401	65.8																						
MERA26S	1.00	1406																							
CCV6	1.00	1410																							
CCB6	1.00	1414																							
PBW	1.00	1419																							
PBWA	1.00	1423	96.3																						
MERA26	1.00	1427																							

71

Analysis Run Log 14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
Lab Code: DATAChem Case No.: 19026 SDG No.: MERA01
Instrument ID Number: AAS-ZED Method: FM
Start Date: 05/15/92 End Date: 05/15/92

ENVIROFORMS/INORGANIC CLP

Analysis Run Log ¹⁴

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG No.: MERA01
 Instrument ID Number: AAS-ZED Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																				
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N	N	N	N
S0	1.00	0937																						
S3	1.00	0941															X							
S20	1.00	0945															X							
S50	1.00	0949															X							
S100	1.00	0953															X							
ICV2	1.00	0957															X							
ICB2	1.00	1001															X							
CCV9	1.00	1005															X							
CCB9	1.00	1009															X							
CRA2	1.00	1013															X							
PBS	1.00	1018															X							
PBSA	1.00	1022															X							
LCSS	50.00	1026															X							
LCSSA	50.00	1030															X							
MERA01	1.00	1034															X							
MERA02	1.00	1039															X							
MERA02A	1.00	1043															X							
MERA03	1.00	1105															X							
MERA04	1.00	1110															X							
MERA04A	1.00	1114															X							
MERA05	1.00	1118															X							
MERA05A	1.00	1123															X							
CCV11	1.00	1127															X							
CCV11	1.00	1131															X							
CCB11	1.00	1135															X							
MERA06	1.00	1141															X							
MERA06A	1.00	1145															X							
MERA07	1.00	1149															X							

ENVIROFORMS/INORGANIC CLP

Analysis Run Log

14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG
 Instrument ID Number: AAS-ZED Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																		
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	I	E	G	A	L
MERA07A	1.00	1153	100.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA08	1.00	1157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA09A	1.00	1202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA10	1.00	1206	96.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA10A	1.00	1210	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV12	1.00	1214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCB12	1.00	1219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA11	1.00	1223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA01	50.00	1231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA01A	50.00	1235	108.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA02	20.00	1239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA02A	20.00	1243	100.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA02D	20.00	1247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA02DA	20.00	1251	104.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA02S	20.00	1255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV13	1.00	1259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCB13	1.00	1303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA03	50.00	1310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA03A	50.00	1314	103.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA08	20.00	1318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA08A	20.00	1322	104.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA09	20.00	1327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA09A	20.00	1331	106.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA10	30.00	1335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA10A	30.00	1339	102.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA11	50.00	1343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERALLA	50.00	1348	99.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCV14	1.00	1352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCB14	1.00	1356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA01	100.00	1403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA01A	100.00	1406	102.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

14 Analysis Run Log

Lab Name: DATACHEM LABORATORIES
Lab Code: DATA-C Case No.: 190
Instrument ID Number: AAS-ZED

Contract: 68-DO-0149
SAS No.: SD
Method: FM
End Date: 05/10/00

Contract: 68-D0-0149 SDG No.: MERA01
SAS No.:
Method: FM

14 Analysis Run Log

Lab Name: DATAChem LABORATORIES **Contract:** 68-D0-0149
Lab Code: DATAChem **Case No.:** 19026 **SDG No.:** MERA01
Instrument ID Number: AAS-ZED **Method:** FM
Start Date: 05/19/92 **End Date:** 05/19/92

14
Analysis Run Log

Lab Name: DATAChem LABORATORIES Case No.: 19026 Contract: 68-D0-0149
 Lab Code: DATA SAS No.: SDG No.: MERA01
 Instrument ID Number: AAS-ZEC Method: FM
 Start Date: 05/15/92 End Date: 05/15/92

Sample No.	D/F	Time	% R	Analytes											
				A S	A B	B C	C C	C F	P M	M H	N K	S A N T	V Z	C N	
L B	S A E	D A R O U E	B G N G I	E G A L											
S0	1.00	0840													
S5	1.00	0844													
S20	1.00	0848													
S50	1.00	0852													
S100	1.00	0856													
ICV	1.00	0900													
ICB	1.00	0904													
CCV1	1.00	0908													
CCB1	1.00	0912													
CRA	1.00	0916													
ZZZZZZ	1.00	0921													
ZZZZZZ	1.00	0925													
ZZZZZZ	1.00	0929													
ZZZZZZ	1.00	0933													
ZZZZZZ	1.00	0937													
ZZZZZZ	1.00	0941													
ZZZZZZ	1.00	0946													
ZZZZZZ	1.00	0950													
CCV2	1.00	0954													
CCB2	1.00	0957													
ZZZZZZ	1.00	1002													
ZZZZZZ	1.00	1006													
ZZZZZZ	1.00	1010													
ZZZZZZ	1.00	1014													
ZZZZZZ	1.00	1018													
ZZZZZZ	1.00	1022													
ZZZZZZ	1.00	1026													
ZZZZZZ	1.00	1030													
ZZZZZZ	1.00	1035													
CCV3	1.00	1039													
CCB3	1.00	1043													
ZZZZZZ	1.00	1047													

14

Analysis Run Log

Lab Name: DATACHEM LABORATORIES Contract: 68-D0-0149
 Lab Code: DATA C Case No.: 19026 SDG No.: MERA01
 Instrument ID Number: AAS-ZEC Method: FM
 Start Date: 05/15/92 End Date: 05/15/92

Sample No.	D/F	Time	% R	Analytes																				
				A	S	A	B	B	C	C	C	F	P	M	H	N	K	S	A	N	T	V	Z	C
ZZZZZZ	1.00	1051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1055		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV4	1.00	1104		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB4	1.00	1109		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1113		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1117		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV5	1.00	1121		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB5	1.00	1125		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PBW	1.00	1130		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PBWA	1.00	1134	98.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCSW	1.00	1138		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCSWA	1.00	1142	89.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26	1.00	1146		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26A	1.00	1151	-9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26D	1.00	1155		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26DA	1.00	1159	64.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26S	1.00	1203		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV6	1.00	1207		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB6	1.00	1211		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA27	1.00	1303		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA27A	1.00	1307	54.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA28	1.00	1311		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA28A	1.00	1315	105.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26	1.00	1319		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26A	1.00	1323	52.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV7	1.00	1328		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV7	1.00	1332		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB7	1.00	1336		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENVIROFORMS/INORGANIC CLP

Analysis Run Log ¹⁴

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG No.: MERA01
 Instrument ID Number: AAS-ZEC Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																			
				A	S	A	B	B	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N	N	N
S0	1.00	0917																					
S5	1.00	0921																	X				
S20	1.00	0924																	X				
S50	1.00	0928																	X				
S100	1.00	0933																	X				
ICV2	1.00	0938																	X				
ICB2	1.00	0942																	X				
CCV8	1.00	0946																	X				
CCB8	1.00	0950																	X				
CRA2	1.00	0954																	X				
PBS	1.00	0958																	X				
PBSA	1.00	1003																	X				
LCSS	5.00	1007																	X				
LCSSA	5.00	1011																	X				
MERA01	1.00	1015																	X				
MERA01A	1.00	1019																	X				
MERA02	1.00	1023																	X				
MERA02A	1.00	1027																	X				
CCV9	1.00	1031																	X				
CCB9	1.00	1035																	X				
MERA02D	1.00	1040																	X				
MERA02DA	1.00	1043																	X				
MERA02S	1.00	1047																	X				
MERA03	1.00	1051																	X				
MERA03A	1.00	1055																	X				
MERA04	1.00	1059																	X				
MERA04A	1.00	1104																	X				
MERA05	1.00	1108																	X				
MERA05A	1.00	1112																	X				
CCV10	1.00	1116																	X				
CCB10	1.00	1122																	X				
CCB10	1.00	1125																	X				

14

Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATA Case No.: 19026 SAS No.: SDG No.: MERA01
 Instrument ID Number: AAS-ZEC Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																
				A S	B	B C	C C	C F	P M	M H	N K	S A N T	V Z	C G A L	N N	G I	E B G N G	D A R O U E	B G N G	C C
MERA06	1.00	1141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA06A	1.00	1145	11.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07	1.00	1149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07A	1.00	1153	13.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08	1.00	1157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08A	1.00	1202	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09	1.00	1214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09A	1.00	1218	27.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10	1.00	1222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10A	1.00	1226	13.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV11	1.00	1230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB11	1.00	1234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11	1.00	1240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11A	1.00	1244	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02	10.00	1248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02A	10.00	1252	86.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA05	10.00	1256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA05A	10.00	1300	81.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA06	10.00	1304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA06A	10.00	1308	79.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07	10.00	1312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07A	10.00	1316	81.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV12	1.00	1320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB12	1.00	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV12	1.00	1330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB12	1.00	1334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08	10.00	1340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08A	10.00	1344	80.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09	10.00	1350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09A	10.00	1354	78.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10	10.00	1358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10A	10.00	1420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

14

Analysis Run Log

Lab Name: DATACHEM LABORATORIES Contract: 68-D0-0149
 Lab Code: DATA C Case No.: 19026 SDG No.: MERA01
 Instrument ID Number: AAS-ZEC Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																											
				A	S	A	B	B	C	C	C	F	P	M	M	H	N	K	S	A	T	V	Z	C	G	A	L	N	N		
MERA10A		10.00	1424	72.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERA11		10.00	1428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11A		10.00	1433	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV13		1.00	1437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB13		1.00	1441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA010		1.00	1455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA010		1.00	1458	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA011		1.00	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA012		1.00	1502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA013		1.00	1504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA010		1.00	1509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA011		1.00	1511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA012		1.00	1513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA013		1.00	1515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV14		1.00	1517	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB14		1.00	1521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENVIROFORMS/INORGANIC CLP

14
Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG
 Instrument ID Number: AAS-ZEB Method: FM
 Start Date: 05/15/92 End Date: 05/15/92

Sample No.	D/F	Time	% R	Analytes																			
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T
L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N		
S0	1.00	1001																		X			
S10	1.00	1006																		X			
S20	1.00	1010																		X			
S50	1.00	1014																		X			
S100	1.00	1018																		X			
ICV	1.00	1022																		X			
ICB	1.00	1026																		X			
CCV1	1.00	1030																		X			
CCB1	1.00	1034																		X			
CRA	1.00	1038																		X			
ZZZZZZ	1.00	1043																		X			
ZZZZZZ	1.00	1047																		X			
ZZZZZZ	1.00	1051																		X			
ZZZZZZ	1.00	1055																		X			
ZZZZZZ	1.00	1059																		X			
ZZZZZZ	1.00	1103																		X			
ZZZZZZ	1.00	1107																		X			
ZZZZZZ	1.00	1111																		X			
CCV2	1.00	1115																		X			
CCB2	1.00	1119																		X			
ZZZZZZ	1.00	1125																		X			
ZZZZZZ	1.00	1129																		X			
ZZZZZZ	1.00	1133																		X			
ZZZZZZ	1.00	1137																		X			
ZZZZZZ	1.00	1141																		X			
ZZZZZZ	1.00	1145																		X			
ZZZZZZ	1.00	1149																		X			
ZZZZZZ	1.00	1153																		X			
ZZZZZZ	1.00	1157																		X			
CCV3	1.00	1202																		X			
CCB3	1.00	1206																		X			
ZZZZZZ	1.00	1255																		X			

Analysis Run Log

Lab Name: DATAChem LABORATORIES
Lab Code: DATAc Case No.: 190
Instrument ID Number: AAS-ZEB
Start Date: 05/15/92

Contract: 68-D0-0149 SDG No.: MERA01
SAS No.: Method: FM
End Date: 05/15/92

ENVIROFORMS/INORGANIC CLP

Analysis Run Log

14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG
 Instrument ID Number: AAS-ZEB Method: FM
 Start Date: 05/18/92 End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																			
				A	S	A	B	B	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
SO	1.00	0918		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	N	N
S10	1.00	0921		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
S20	1.00	0925		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
S50	1.00	0929		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
S100	1.00	0933		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ICV2	1.00	0938		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ICB2	1.00	0942		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCV7	1.00	0946		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCB7	1.00	0951		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CRA2	1.00	0955		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
PBS	1.00	0959		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
PBSA	1.00	1003		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
LCSS	5.00	1007		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
LCSSA	5.00	1012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA01	1.00	1016		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA01A	1.00	1020		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA02	1.00	1024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA02A	1.00	1028		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA02S	1.00	1032		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCV8	1.00	1036		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCB8	1.00	1040		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ZZZZZ	1.00	1044		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ZZZZZZ	1.00	1048		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCV9	1.00	1052		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCB9	1.00	1056		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA02D	1.00	1100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA02DA	1.00	1104		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA03	1.00	1108		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA03A	1.00	1112		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA04	1.00	1116		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA04A	1.00	1120		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
MERA05	1.00	1124		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-

14

Analysis Run Log

Lab Name: DATACHEM LABORATORIES

Lab Code: DATAC Case No.: 19026

Instrument ID Number: AAS-ZEB

Start Date: 05/18/92

Contract: 68-D0-0149

SDG No.: MERA01

Method: FM

End Date: 05/18/92

Sample No.	D/F	Time	% R	Analytes																					
				A	S	B	B	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z	C	N
MERA05A	1.00	1128	90.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA06	1.00	1133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA06A	1.00	1137	94.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV10	1.00	1141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB10	1.00	1145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07	1.00	1149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07A	1.00	1153	94.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08	1.00	1158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08A	1.00	1202	102.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09	1.00	1206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09A	1.00	1210	100.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10	1.00	1214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10A	1.00	1220	98.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11	1.00	1224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERALIA	1.00	1228	88.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV11	1.00	1231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB11	1.00	1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENVIROFORMS/INORGANIC CLP

Analysis Run Log ¹⁴

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAc Case No.: 19026 SAS No.: SDG No.: MERA01
 Instrument ID Number: AAS-CVC Method: CV
 Start Date: 05/20/92 End Date: 05/20/92

Sample No.	D/F	Time	% R	Analytes																		
				A	S	B	B	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N	
S0	1.00	1033		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.5	1.00	1035		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S1	1.00	1036		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S5	1.00	1038		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S10	1.00	1039		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICV	1.00	1041		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICB	1.00	1043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV1	1.00	1044		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB1	1.00	1046		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PBS	1.00	1048		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCSS	5.00	1049		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA01	1.00	1051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02	1.00	1052		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02D	1.00	1054		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA02S	1.00	1055		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA03	1.00	1057		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA04	1.00	1058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA05	1.00	1100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA06	1.00	1102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV2	1.00	1103		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB2	1.00	1105		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA07	1.00	1106		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA08	1.00	1108		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA09	1.00	1110		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA10	1.00	1111		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA11	1.00	1113		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PBW	1.00	1114		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26	1.00	1116		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26D	1.00	1117		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA26S	1.00	1119		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERA27	1.00	1120		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV3	1.00	1122		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analysis Run Log 14

4

Lab Name: DATAChem LABORATORIES **Contract:** 68-D0-0149
Lab Code: DATAc **Case No.:** 19026 **SAS No.:** SDG No.: MERA01
Instrument ID Number: AAS-CVC **Method:** CV
Start Date: 05/20/92 **End Date:** 05/20/92

14

Analysis Run Log

Lab Name: DATACHEM LABORATORIES Contract: 68-D0-0149
 Lab Code: DATAAC Case No.: 19026 SAS No.: MERA01
 Instrument ID Number: TAA-II-C Method: AS
 Start Date: 05/11/92 End Date: 05/11/92

Sample No.	D/F	Time	% R	Analytes											
				A S A B B C C C F P M M H N K S A N T V Z C	L B S A E D A R O U E B G N G I E G A L	N N	- -	- -	- -	- -	- -	- -	- -	- -	- -
S250	1.00	1844													
S200	1.00	1846													
S150	1.00	1847													
S100	1.00	1849													
S50	1.00	1850													
S20	1.00	1852													
S10	1.00	1853													
SO	1.00	1855													
S	1.00	1856													
ICV	1.00	1858													
ICB	1.00	1859													
CCV1	1.00	1901													
CCB1	1.00	1902													
PBS	1.00	1904													
LCSS	1.00	1905													
MERA01	1.00	1907													
MERA02	1.00	1908													
MERA02S	1.00	1910													
MERA02D	1.00	1911													
MERA03	1.00	1913													
MERA04	1.00	1914													
MERA05	1.00	1916													
MERA06	1.00	1917													
CCV2	1.00	1919													
CCB2	1.00	1920													
MERA07	1.00	1922													
MERA08	1.00	1923													
MERA09	1.00	1925													
MERA10	1.00	1926													
MERA11	1.00	1928													
PBW	1.00	1929													
MERA26	1.00	1931													

14

Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
Lab Code: DATAc SAS No.: SDG No.: MERA01
Instrument ID Number: TAA-II-C Method: AS
Start Date: 05/11/92 End Date: 05/11/92

14

Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
 Lab Code: DATA Case No.: 19026 SAS No.: SDG No.: MERA01
 Instrument ID Number: ICP-B Method: PM
 Start Date: 05/20/92 End Date: 05/20/92

Sample No.	D/F	Time	% R	Analytes																		
				A	S	B	B	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V
SL	LB	SAE	D	A	R	O	E	B	G	N	G	I	E	G	A	L	N	N				
SO	1.00	1717		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S	1.00	1720		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV	1.00	1854		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1.00	1900		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV1	1.00	1902		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1	1.00	1904		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAI	1.00	1909		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAIB	1.00	1914		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRII	1.00	1919		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1925		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1935		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1946		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1951		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1957		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2008		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV2	1.00	2009		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2	1.00	2011		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2016		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2021		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2027		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2032		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2036		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	2040		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PBW	1.00	2101		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSW	1.00	2106		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MERA26	1.00	2113		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MERA26D	1.00	2151		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV3	1.00	2153		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB3	1.00	2154		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MERA26L	5.00	2200		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MERA26S	1.00	2205		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MERA27	1.00	2209		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Analysis Run Log 14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
Lab Code: DATAChem Case No.: 19026 SDG No.: MERA01
Instrument ID Number: ICP-B Method: PM
Start Date: 05/20/92 End Date: 05/20/92

Analysis Run Log

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
Lab Code: DATAc Case No.: 19026 SDG No.: MERA01
Instrument ID Number: ICP-B Method: P
Start Date: 05/22/92 End Date: 05/22/92

Analysis Run Log 14

4

Lab Name: DATACHEM LABORATORIES **Contract:** 68-D0-0149
Lab Code: DATAC **Case No.:** 19026 **SAS No.:** SDG No.: MERA01
Instrument ID Number: ICP-B **Method:** P
Start Date: 05/22/92 **End Date:** 05/22/92

Sample No.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N				
CCV8	1.00	2053		X	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	
CCB8	1.00	2055		X	X	X	X	X	X	X	X	X	-	X	X	-	X	X	-	X	X	-	X	X	

Analysis Run Log 14

Lab Name: DATAChem LABORATORIES Contract: 68-D0-0149
Lab Code: DATAChem Case No.: 19026 SDG No.: MERA01
Instrument ID Number: ICP-B Method: P
Start Date: 05/28/92 End Date: 05/28/92

#	Sample Name	File	Method	Date	Time	Op ID	Type	Mode
1	ICV	ICPDATA	EPACLP	05/20/92	18:54	RRB	Q	CONC
2	ICB	ICPDATA	EPACLP	05/20/92	19:00	RRB	Q	CONC
3	CCV1	ICPDATA	EPACLP	05/20/92	19:02	RRB	Q	CONC
4	CCB1	ICPDATA	EPACLP	05/20/92	19:04	RRB	Q	CONC
5	ICAST ICSAI Job 5/27/92	ICPDATA	EPACLP	05/20/92	19:09	RRB	Q	CONC
6	ICSABI	ICPDATA	EPACLP	05/20/92	19:14	RRB	Q	CONC
7	CRII	ICPDATA	EPACLP	05/20/92	19:19	RRB	Q	CONC
8	PBW	ICPDATA	EPACLP	05/20/92	19:25	RRB	Q	CONC
9	LCSW	ICPDATA	EPACLP	05/20/92	19:35	RRB	Q	CONC
10	MYH766	ICPDATA	EPACLP	05/20/92	19:46	RRB	S	CONC
11	MYH766L	ICPDATA	EPACLP	05/20/92	19:51	RRB	S	CONC
12	MYH766 MYH766S Job 5/27/92	ICPDATA	EPACLP	05/20/92	19:57	RRB	S	CONC
13	MYH766D	ICPDATA	EPACLP	05/20/92	20:08	RRB	S	CONC
14	CCV2	ICPDATA	EPACLP	05/20/92	20:09	RRB	Q	CONC
15	CCB2	ICPDATA	EPACLP	05/20/92	20:11	RRB	Q	CONC
16	MYH783	ICPDATA	EPACLP	05/20/92	20:16	RRB	S	CONC
17	MYH795	ICPDATA	EPACLP	05/20/92	20:21	RRB	S	CONC
18	MYH755	ICPDATA	EPACLP	05/20/92	20:27	RRB	S	CONC
19	MYH781	ICPDATA	EPACLP	05/20/92	20:32	RRB	S	CONC
20	MYH782 MYH782 Job 5/27/92	ICPDATA	EPACLP	05/20/92	20:36	RRB	S	CONC
21	MYH794	ICPDATA	EPACLP	05/20/92	20:40	RRB	S	CONC
22	PBW	ICPDATA	EPACLP	05/20/92	21:01	RRB	Q	CONC
23	LCSW	ICPDATA	EPACLP	05/20/92	21:06	RRB	Q	CONC
24	MERA26	ICPDATA	EPACLP	05/20/92	21:13	RRB	S	CONC
25	MERA26D	ICPDATA	EPACLP	05/20/92	21:51	RRB	S	CONC
26	CCV3	ICPDATA	EPACLP	05/20/92	21:53	RRB	Q	CONC
27	CCB3	ICPDATA	EPACLP	05/20/92	21:54	RRB	Q	CONC
28	MERA26L	ICPDATA	EPACLP	05/20/92	22:00	RRB	S	CONC
29	MERA26S	ICPDATA	EPACLP	05/20/92	22:05	RRB	S	CONC
30	MERA27	ICPDATA	EPACLP	05/20/92	22:09	RRB	S	CONC
31	MERA28	ICPDATA	EPACLP	05/20/92	22:14	RRB	S	CONC
32	ICSAF	ICPDATA	EPACLP	05/20/92	22:19	RRB	Q	CONC
33	ICSABF	ICPDATA	EPACLP	05/20/92	22:23	RRB	Q	CONC
34	CRIF	ICPDATA	EPACLP	05/20/92	22:31	RRB	Q	CONC
35	CCV4	ICPDATA	EPACLP	05/20/92	22:32	RRB	Q	CONC
36	CCB4	ICPDATA	EPACLP	05/20/92	22:34	RRB	Q	CONC

DATACHEM
LABORATORIES

#	Sample Name	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158
1	ICV	2069.4	1065.7	2135.5	527.20	550.64	53275.
2	ICB	.14377	14.952	.00000	.01191	1.0456	21.682
3	CCV1	25185.	5102.8	5045.5	5059.4	5129.3	25572.
4	CCB1	5.4315	34.886	2.9364	.00596	1.0500	28.252
5	ICSAI Job 5/27/92	539730.	-40.285	13.214	-2.9442	.51730	508190.
6	ICSABI	537010.	473.34	486.71	517.75	952.09	506250.
7	CRII	521.27	171.47	414.77	9.3864	14.936	10670.
8	PBW	19.443	24.902	.73410	.74632	2.1182	44.677
9	LCSW	1836.8	597.65	1772.1	41.898	47.911	44589.
10	MYH766	122.24	15.171	23.491	-1.4688	-1.0821	30724.
11	MYH766L	31.095	-.81161	4.4046	.00000	2.1244	6415.8
12	MYH766	2109.3	573.28	2068.7	49.120	57.231	30225.
13	MYH766D	41.816	15.239	23.491	-1.4688	-1.0688	30594.
14	CCV2	25453.	5094.1	5103.5	5074.1	5152.8	25628.
15	CCB2	3.2151	-1.6430	2.9364	.00000	1.0476	27.595
16	MYH783	92.319	6.5323	4.4046	.74336	1.0691	105.12
17	MYH795	125.59	31.304	3.6705	.01196	1.0776	182.65
18	MYH755	80.345	28.668	58.729	-1.4747	1.0441	60619.
19	MYH781	50.429	51.625	58.729	-1.4658	-1.1065	60975.
20	MYH762	9.7939	49.759	.73410	.74632	-2.1794	76.214
21	MYH794	2.2880	9.9226	.00000	.01192	-1.0850	59.789
22	PBW	28.166	-.01606	.00000	-.71055	2.1429	45.991
23	LCSW	1852.7	586.87	1811.8	42.621	47.825	44945.
24	MERA26	40.701	27.854	23.491	.00893	-3.2318	156520.
25	MERA26D	-.14729	44.731	23.566	-.75176	1.0809	160500.
26	CCV3	25321.	5042.6	5121.1	5152.0	5110.7	25744.
27	CCB3	-.26.758	38.319	.00000	.76082	-2.1939	-7.3789
28	MERA26L	224.64	16.279	4.4186	-.75176	-3.2687	32387.
29	MERA26S	2166.6	532.25	2185.7	53.260	53.138	161720.
30	MERA27	29.908	27.901	25.039	-.75478	-.03196	172120.
31	MERA28	7.5315	36.617	.73643	.75176	1.0765	59.702
32	ICSAF	553350.	-29.677	13.256	-3.7796	1.8082	528540.
33	ICSABF	553130.	464.60	502.25	535.23	964.20	524060.
34	CRII	511.68	173.59	423.45	9.5978	13.973	10810.
35	CCV4	25408.	5010.8	5129.2	5167.0	5074.0	25918.
36	CCB4	-19.307	41.651	.73643	.75478	-2.1938	-12.075

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790
1	ICV	535.09	522.22	565.05	2125.9	5438.5	26751.
2	ICB	-1.5030	-2.8525	-.00230	.00053	-16.770	-19.946
3	CCV1	5124.4	5138.0	5029.9	25551.	5120.4	24983.
4	CCB1	.00273	-.00953	10.462	2.4852	4.1976	-31.882
5	ICSAI Job 5/27/92	21.349	9.2178	35.667	193600.	23.883	517280.
6	ICSABI	508.15	466.01	554.39	192730.	4716.5	515770.
7	CRII	21.398	102.46	61.279	272.12	74.955	10623.
8	PBW	-1.5025	1.4179	5.9782	12.427	8.3720	-23.986
9	LCSW	88.646	451.17	249.61	929.44	1715.2	44296.
10	MYH766	5.3221	-1.4283	14.951	17.395	11.706	9074.9
11	MYH766L	7.7085	1.4192	2.9882	1.2399	4.0201	1877.0
12	MYH766	213.06	522.30	283.97	1062.3	496.16	8878.0
13	MYH766D	2.3033	-1.4285	14.951	28.579	-17.506	9091.2

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790
14	CCV2	5142.5	5142.3	5122.6	25672.	5178.8	25457.
15	CCB2	1.5087	1.4166	16.445	- .00053	-25.078	-23.927
16	MYH783	.00892	1.4074	14.945	101.89	-8.4691	99.092
17	MYH795	6.0476	-2.8671	11.953	155.32	3.9889	146.57
18	MYH755	3.1197	-4.2942	23.914	104.38	69.322	21762.
19	MYH781	.11489	2.8405	5.9776	38.521	10.797	21932.
20	MYH782 MVH782 Job 5/27/92	1.5155	-.00667	8.9685	13.668	-12.557	-16.134
21	MYH794	4.5321	-2.8579	5.9763	9.9392	-20.952	-12.106
22	PBW	4.5362	-.01135	1.4897	-1.2442	-12.584	-43.876
23	LCSW	93.184	444.05	242.13	924.46	1828.1	45388.
24	MERA26	.88638	-.00485	2.9882	-4.9707	5.8107	31901.
25	MERA26D	-3.6624	-10.119	34.351	5.0402	5.8755	31987.
26	CCV3	5178.3	5200.1	5095.5	25692.	5193.8	25379.
27	CCB3	-6.1195	-7.2212	23.899	-1.2576	-12.679	12.109
28	MERA26L	-6.8533	-5.7862	5.9721	5.0413	-9.2628	6259.8
29	MERA26S	211.81	534.55	291.09	1113.5	588.68	32158.
30	MERA27	-3.3734	-4.3354	5.9747	12.598	-11.251	34399.
31	MERA28	-9.1840	-1.4311	-1.4864	12.601	-8.4922	15.947
32	ICSAF	9.8587	-1.0099	17.487	200300.	-24.736	535070.
33	ICSAF	506.93	467.06	549.04	198950.	4924.1	535000.
34	CRIF	15.592	101.13	67.183	294.77	46.141	10908.
35	CCV4	5178.3	5201.5	5071.6	25672.	5223.3	25528.
36	CCB4	-6.1222	-7.2195	8.9680	5.0411	-8.5007	12.128

#	Sample Name	Mn2576	Ni2316	K_7664	Ag3280	Na5889	V_2924
1	ICV	527.23	543.20	54085.	550.29	54115.	529.12
2	ICB	-.00098	12.028	-175.86	.71156	5.1635	-7.5674
3	CCV1	5108.0	5164.5	25306.	1022.1	25111.	5050.0
4	CCB1	1.3091	24.061	40.312	-.73215	1.9860	-3.7847
5	ICSAF ICSAF Job 5/27/92	26.143	33.426	16.629	-2.3186	1781.0	4.1929
6	ICSAFI	478.59	940.15	-102.79	950.24	1809.4	469.51
7	CRII	32.548	103.02	10389.	21.617	10421.	102.12
8	PBW	.65381	13.368	211.13	-.01692	280.02	-7.5702
9	LCSW	132.78	386.73	44546.	89.368	45560.	442.51
10	MYH766	-.17326	8.0189	4965.4	.00776	91537.	-.00453
11	MYH766L	-.03596	12.032	1057.2	-.71537	18463.	-.00221
12	MYH766 MYH766S Job 5/27/92	512.48	525.82	5146.3	51.925	90273.	520.08
13	MYH766D	1.1368	6.6822	5173.0	1.4583	91957.	-.00467
14	CCV2	5138.8	5149.8	25728.	1015.6	25451.	5072.7
15	CCB2	1.3096	18.715	-.74.576	1.4714	13.306	.00045
16	MYH783	1.9626	24.062	-29.226	-2.2045	808.48	-5.6927
17	MYH795	1.9624	21.385	124.46	-.02735	1042.0	-7.5954
18	MYH755	1.5529	38.760	4423.7	-1.4066	171680.	3.7640
19	MYH781	1.5472	12.033	4341.1	-2.1697	172310.	-1.8988
20	MYH782 MVH782 Job 5/27/92	-.00080	14.704	-13.101	-1.4709	1599.9	-7.5705
21	MYH794	-.00089	24.058	-99.267	-1.4838	270.88	-7.5703
22	PBW	-.65682	29.408	70.545	-.06095	23.831	-15.137
23	LCSW	139.96	388.06	45820.	91.630	45801.	450.08
24	MERA26	126.38	13.367	2522.0	-1.5018	22210.	-5.6754
25	MERA26D	122.90	-1.3662	2169.1	-.02194	22360.	-.00012
26	CCV3	5165.3	5176.6	25228.	1024.0	25395.	5128.3
27	CCB3	-5.3417	-16.287	-199.28	.72341	-4.5856	-5.7535

#	Sample Name	Mn2576	Ni2316	K_7664	Ag3280	Na5889	V_2924
28	MERA26L	21.241	9.4912	-48.544	-71904	4339.2	.00115
29	MERA26S	661.74	549.96	2093.0	54.425	22560.	550.37
30	MERA27	128.86	-5.4308	2778.7	1.4644	23769.	1.9186
31	MERA28	-5.3407	-39.345	-730.71	73359	640.19	.00045
32	ICSAF	23.225	-4.0710	-22.994	.07394	1811.1	13.194
33	ICSABF	491.26	951.47	-550.33	972.43	1841.2	494.69
34	CRIF	27.853	82.853	10451.	23.167	10600.	111.22
35	CCV4	5159.9	5160.3	25630.	1022.6	25392.	5141.8
36	CCB4	-4.6733	-21.714	-578.95	.00931	-4.1868	-1.9176

#	Sample Name	Zn2138	As1936	Se1960	Tl1908
1	ICV	3230.9	.13136	-35.692	-59.998
2	ICB	-.03919	36.503	-28.415	-95.145
3	CCV1	5156.4	4974.3	5177.6	4539.0
4	CCB1	-.10753	30.778	-134.98	-214.19
5	ICSAF <i>ICSAF JAH 5/27/92</i>	219.15	42.410	6324.08	173.39
6	ICSABI	1237.6	1096.8	906.38	733.06
7	CRRII	53.366	96.838	134.96	89.445
8	FBW	9.1798	36.314	-28.415	35.545
9	LCSW	212.02	1724.1	1832.8	01478.3
10	MYH766	12.252	15.861	-56.830	22.912
11	MYH766L	9.1939	30.551	63.942	L-154.85
12	MYH766 <i>MYH7665 JAH 5/27/92</i>	539.53	2131.5	1932.3	-78.362
13	MYH766D	12.255	-.41933	7.1053	-60.551
14	CCV2	5142.3	5094.7	5213.1	5072.7
15	CCB2	-.10621	33.541	-35.522	-47.579
16	MYH783	12.188	7.3956	-56.833	-25.334
17	MYH795	10.657	1.3761	.00248	-61.831
18	MYH755	412.58	46.464	-56.837	-15.008
19	MYH751	132.40	47.083	-99.461	57.359
20	MYH752 <i>MYH782 JAH 5/27/92</i>	123.15	36.375	L-177.61	L-131.06
21	MYH794	-.09623	14.044	-21.311	-59.593
22	FBW	1.4405	11.242	56.842	-118.91
23	LCSW	188.93	1827.4	1761.6	01537.8
24	MERA26	-.05108	11.020	-63.936	-96.525
25	MERA26D	1.4638	2.8745	99.180	L-104.35
26	CCV3	5166.9	5227.3	4985.8	5268.6
27	CCB3	-.01246	37.927	-99.180	-64.236
28	MERA26L	-1.6026	36.025	-7.0735	-64.656
29	MERA26S	536.67	2264.4	2125.2	L-162.02
30	MERA27	1.5540	43.113	28.336	L-168.98
31	MERA28	.13054	2.8297	21.253	L-115.99
32	ICSAF	226.88	-40.098	0274.01	160.48
33	ICSABF	1265.6	01219.2	01272.8	1273.4
34	CRIF	60.130	59.670	106.24	199.63
35	CCV4	5154.6	5119.5	5162.9	5307.3
36	CCB4	.04540	37.786	21.253	-141.54

Ron R. Baue 05/20/92

Wed 05-20-92 05:21:02 PM

page 1

Method: EPACLP Standard: S0

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Avg	-.01310	-.00020	.00000	.00140	.00010	-.12350	.00010
SDev	.00071	.00028	.00000	.00000	.00014	.00127	.00014
%RSD	5.3978	141.42	.00000	.00000	141.42	1.0306	141.42
#1	-.01260	-.00040	.00000	.00140	.00020	-.12440	.00020
#2	-.01360	.00000	.00000	.00140	.00000	-.12260	.00000
Elem	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Avg	-.00010	.00060	.00070	.00090	.00110	.00020	-.00220
SDev	.00014	.00028	.00014	.00014	.00042	.00000	.00085
%RSD	141.42	47.140	20.203	15.713	38.569	.00000	38.569
#1	.00000	.00040	.00060	.00100	.00080	.00020	-.00160
#2	-.00020	.00080	.00080	.00080	.00140	.00020	-.00280
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Avg	.00248	-.00200	-.00645	.00000	.00000	-.00190	.00000
SDev	.00037	.00000	.00007	.00000	.00000	.00184	.00000
%RSD	14.765	.00000	1.0963	.00000	.00000	96.762	.00000
#1	.00222	-.00200	-.00650	.00000	.00000	-.00060	.00000
#2	.00274	-.00200	-.00640	.00000	.00000	-.00320	.00000

Elem	T11908
Avg	.00010
SDev	.00071
%RSD	707.11
#1	.00060
#2	-.00040

**DATACHEM
LABORATORIES**

Method: EPACLP Standard: S1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Avg	4.6689	.60830	1.3622	1.3652	.93440	7.4866	.66340
SDev	.0089	.00212	.0040	.0059	.00198	.0283	.00170
%RSD	.19083	.34872	.29069	.43508	.21189	.37780	.25582
#1	4.6752	.60980	1.3650	1.3694	.93300	7.5066	.66460
#2	4.6626	.60680	1.3594	1.3610	.93580	7.4666	.66220
Elem	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Avg	.70270	.66960	4.0248	.23880	1.2603	1.5276	.74520
SDev	.00042	.00085	.0096	.00057	.0027	.0034	.00198
%RSD	.06037	.12672	.23893	.23689	.21321	.22218	.26569
#1	.70300	.67020	4.0316	.23840	1.2622	1.5300	.74660
#2	.70240	.66900	4.0180	.23920	1.2584	1.5252	.74380
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Avg	.31257	.26600	12.582	.52910	.65360	.38220	.14080
SDev	.00023	.00057	.030	.00212	.00028	.00283	.00141
%RSD	.07352	.21267	.23660	.40093	.04328	.74004	.1.0044

#1	.31241	.26640	12.603	.53060	.65340	.38020	.14180
#2	.31273	.26560	12.561	.52760	.65380	.38420	.13980

Elem T11908
 Avgc .09090
 SDev .00127
 %RSD 1.4002

#1 .09180
 #2 .09000

**DATA CHEM
 LABORATORIES**

Method: EPACLP_ Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	S1	S0	10722.4	140.464	05/20/92 05:23:49
Sb2068	206.838	S1	S0	16597.7	3.31955	05/20/92 05:23:49
Ba4934	493.409	S1	S0	7341.07	.000000	05/20/92 05:23:49
Be3130	313.042	S1	S0	7344.00	-10.2816	05/20/92 05:23:49
Cd2288	228.802	S1	S0	10744.0	-1.07440	05/20/92 05:23:49
Ca3158	315.887	S1	S0	6570.22	811.422	05/20/92 05:23:49
Cr2677	267.716	S1	S0	15084.9	-1.50849	05/20/92 05:23:49
Co2286	228.616	S1	S0	14239.3	1.42393	05/20/92 05:23:49
Cu3247	324.754	S1	S0	14952.9	-8.97176	05/20/92 05:23:49
Fe2599	259.940	S1	S0	12426.0	-8.69821	05/20/92 05:23:49
Pb2203	220.353	S1	S0	41858.6	-37.6727	05/20/92 05:23:49
Mg2790	279.079	S1	S0	39758.4	-43.7342	05/20/92 05:23:49
Mn2576	257.610	S1	S0	6546.01	-1.30920	05/20/92 05:23:49
Ni2316	231.604	S1	S0	13367.1	29.4075	05/20/92 05:23:49
K_7664	766.491	S1	S0	161246.	-400.597	05/20/92 05:23:49
Ag3280	328.068	S1	S0	7286.87	14.5737	05/20/92 05:23:49
Na5889	588.995	S1	S0	3971.91	25.6188	05/20/92 05:23:49
V_2924	292.402	S1	S0	18920.6	.000000	05/20/92 05:23:49
Zn2138	213.856	S1	S0	15402.5	.000000	05/20/92 05:23:49
As1936	193.696	S1	S0	27986.0	53.1735	05/20/92 05:23:49
Se1960	196.026	S1	S0	71044.6	.000000	05/20/92 05:23:49
T11908	190.801	S1	S0	118997.	-11.8997	05/20/92 05:23:49

Method: EPACLP_ Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	S1	S0	10722.4	140.464	05/20/92 05:23:49
Sb2068	206.838	S1	S0	16597.7	3.31955	05/20/92 05:23:49
Ba4934	493.409	S1	S0	7341.07	.000000	05/20/92 05:23:49
Be3130	313.042	S1	S0	7344.00	-10.2816	05/20/92 05:23:49
Cd2288	228.802	S1	S0	10744.0	-1.07440	05/20/92 05:23:49
Ca3158	315.887	S1	S0	6570.22	811.422	05/20/92 05:23:49
Cr2677	267.716	S1	S0	15084.9	-1.50849	05/20/92 05:23:49
Co2286	228.616	S1	S0	14239.3	1.42393	05/20/92 05:23:49
Cu3247	324.754	S1	S0	14952.9	-8.97176	05/20/92 05:23:49
Fe2599	259.940	S1	S0	12426.0	-8.69821	05/20/92 05:23:49
Pb2203	220.353	S1	S0	41858.6	-37.6727	05/20/92 05:23:49
Mg2790	279.079	S1	S0	39758.4	-43.7342	05/20/92 05:23:49
Mn2576	257.610	S1	S0	6546.01	-1.30920	05/20/92 05:23:49

Method#	EPACLP#	LABORATORIES									
		DATACHEM									
Element	WaveLen	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
N12316	231.604	S1	S0	13367.1	29.4075	05/20/92	05:23:49	-	-	Concentration	
K_7664	766.491	S1	S0	161246.	-400.597	05/20/92	05:23:49	-	-	Concentration	
Ag3280	328.068	S1	S0	7286.87	14.5737	05/20/92	05:23:49	-	-	Concentration	
Na5889	588.995	S1	S0	3971.91	25.6188	05/20/92	05:23:49	-	-	Concentration	
V_2924	292.402	S1	S0	18920.8	.000000	05/20/92	05:23:49	-	-	Concentration	
Zn2138	213.856	S1	S0	15402.5	.000000	05/20/92	05:23:49	-	-	Concentration	
Ae1936	193.696	S1	S0	27986.0	53.1735	05/20/92	05:23:49	-	-	Concentration	
Se1960	196.026	S1	S0	71044.6	.000000	05/20/92	05:23:49	-	-	Concentration	
T11908	190.801	S1	S0	118997.	-11.8997	05/20/92	05:23:49	-	-	Concentration	
Element											
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
CD2288	228.802	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
CF2677	267.716	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
Ca3158	315.887	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
CD2289	228.902	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
BE2130	313.042	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
BE4934	493.409	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
SB2068	206.838	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	
Element	WaveLength	High std	Low std	Slope	y-intercept	Date	Standardized	Measured	Known	Concentration	
CD2247	324.754	S1	S0	10000.0	50000.0	05/20/92	05:23:49	-	-	Concentration	

**DATA CHEM
LABORATORIES**

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2599	259.940	S0 S1	.000000 50000.0	.000000 50003.5	-.000000 -3.54297
Element			Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	Standard	.000000 10000.0	-.000000 9958.15	.000000 41.8506
Element			Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.079	Standard	.000000 50000.0	.000002 50063.7	-.000002 -63.7461
Element			Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	Standard	.000000 10000.0	.000000 9998.38	-.000000 1.41914
Element			Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	Standard	.000000 10000.0	.000001 9990.54	-.000001 9.45996
Element			Known Concentration	Measured Concentration	Residual Concentration
K_7664	766.491	Standard	.000000 50000.0	.000001 50000.0	-.000001 .000000
Element			Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	Standard	.000000 2000.00	.000000 1952.88	-.000000 47.1200
Element			Known Concentration	Measured Concentration	Residual Concentration
Na5889	588.995	Standard	.000000 50000.0	-.000000 50000.0	.000000 .000000
Element			Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	Standard	.000000 10000.0	.000000 10011.0	.000000 -10.9707
Element			Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	Standard	.000000 10000.0	.000000 10067.1	.000000 -67.0850
Element			Known Concentration	Measured Concentration	Residual Concentration
As1936	193.696	Standard	.000000 10000.0	-.000001 10749.4	.000001 -749.440

~~for all $t \in \mathbb{R}$~~

~~(for MELACOL ONLY)~~

DATAHEM LABORATORIES

五

Elec T11908
 Units ug/L
 Avge -95.1448
 SDev 16.8755
 %RSD 17.73669

#1 -83.2120
 #2 -107.078

Errors NOCHECK
 Value
 Range

DATA CHEM
LABORATORIES

Method: EPACLP_ Sample Name: CCV1 *Job 5/21/92* Operator: RRB

Run Time: 05/20/92 19:02:17

Comment:

Mode: CONC Corr. Factor: 1

Ele	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	25185.48	5102.820	5045.515	5059.407	5129.315	25571.94	5124.426
SDev	83.08	35.431	19.725	12.438	22.712	107.78	4.260
%RSD	.3298597	.6943474	.3909502	.2458439	.4427884	.4214935	.0831294

#1	25126.74	5127.873	5031.566	5050.612	5113.254	25495.72	5121.414
#2	25244.23	5077.766	5059.462	5068.203	5145.374	25648.15	5127.438

Errors	QC Pass						
Value	25000.00	5000.000	5000.000	5000.000	5000.000	25000.00	5000.000
Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000

Ele	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	5138.019	5029.856	25551.04	5120.369	24983.32	5108.031	5164.545
SDev	16.116	48.641	121.25	17.859	162.87	16.665	37.792
%RSD	.3136690	.9670360	.4745491	.3487889	.6519123	.3262578	.7317630

#1	5126.623	4995.462	25465.31	5107.741	24868.16	5096.247	5191.269
#2	5149.415	5064.251	25636.78	5132.998	25098.49	5119.815	5137.822

Errors	QC Pass						
Value	5000.000	5000.000	25000.00	5000.000	25000.00	5000.000	5000.000
Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000

Ele	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	25306.12	1022.060	25111.02	5050.016	5156.411	4974.303	5177.581
SDev	198.11	6.277	120.77	16.033	43.537	54.070	70.324
%RSD	.7828380	.6141305	.4809453	.3174874	.8443235	1.086983	1.358247

#1	25446.20	1017.621	25025.62	5038.679	5123.626	4936.069	5127.854
#2	25166.04	1026.498	25196.41	5061.353	5187.196	5012.536	5227.308

Errors	QC Pass						
Value	25000.00	1000.000	25000.00	5000.000	5000.000	5000.000	5000.000
Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000

105

(S) FOR MERACI ONLY Job 5/21/92

Elec T11908
 Units ug/L
 Avge 4538.984
 SDev 115.909
 %RSD 2.553623

#1 94457.024
 #2 4620.944

Errors QC Pass
 Value 5000.000
 Range 10.00000

Method: EPACLP Sample Name: CCB1 *15x Job 5/27/92* Operator: RRB
 Run Time: 05/20/92 19:04:01
 Comment:
 Mode: CONC Corr. Factor: 1

Elel	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	5.431508	34.88638	2.936426	.0059611	1.050047	28.25191	.0027366
SDev	9.199805	2.38567	.0000000	.0084296	.006552	7.43334	2.136949
%RSD	169.3785	6.838393	.0000000	141.4104	.6239702	26.31091	78088.62

#1	11.93675	33.19946	2.936426	.0119217	1.054680	22.99575	1.513788
#2	-1.07374	36.57331	2.936426	.0000005	1.045414	33.50808	-1.50831

Errors	QC Pass						
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	200.0000	60.00000	200.0000	5.000000	5.000000	5000.000	10.00000

Elel	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-.009534	10.46237	2.485203	4.197646	-31.8819	1.309134	24.06071
SDev	2.013865	2.11472	1.758062	.010590	28.1374	.001641	.00190
%RSD	21124.04	20.21263	70.74118	.2522759	88.25524	.1253652	.0079148

#1	1.414484	11.95770	1.242066	4.205134	-11.9857	1.307974	24.06205
#2	-1.43355	8.967036	3.728341	4.190158	-51.7781	1.310295	24.05936

Errors	QC Pass						
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	50.00000	25.00000	100.0000	30.00000	5000.000	15.00000	40.00000

Elel	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	40.31159	-.732155	1.985956	-3.78470	-.107533	30.77795	-134.983
SDev	214.4972	1.057359	7.583126	5.35183	.005576	7.87662	70.333
%RSD	532.0981	144.4173	381.8376	141.4071	5.185135	25.59177	52.10494

#1	-111.361	-1.47982	-3.37612	-7.56901	-.111476	25.20833	-85.2504
#2	191.9840	.0155105	7.348035	-.000382	-.103590	36.34756	-184.716

Errors	QC Pass	NOCHECK	NOCHECK				
Value	.0000000	.0000000	.0000000	.0000000	.0000000		

DATACHEM
LABORATORIES

106
*←*For MERRA+only Job*
5/27/92

DATACHEM
LABORATORIES

Range	5000.000	10.00000	5000.000	50.00000	20.00000
-------	----------	----------	----------	----------	----------

Elem	Tl1908
Units	ug/L
Avge	-214.193
SDev	84.104
ZRSD	39.26543

#1	-273.664
#2	-154.723

Errors	NOCHECK
Value	
Range	

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: ~~IICAI~~ ICSAI *for job 5/27/92* Operators: RRB

Run Time: 05/20/92 19:09:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	539726.5	-40.2852	13.21392	-2.94420	.5173075	508193.1	21.34949
SDev	4943.4	36.9967	.00000	.00471	4.450500	5377.1	8.34258
ZRSD	.9159135	91.83683	.0000000	.1599408	860.3199	1.058088	39.07626

#1	536230.9	-14.1246	13.21392	-2.94753	-2.62967	504390.8	27.24859
#2	543222.0	0-66.4459	13.21392	-2.94087	3.664286	511995.2	15.45040

Errors	QC Pass						
Value	540055.0	.0000000	.0000000	.0000000	.0000000	494040.0	.0000000
Range	108011.0	60.00000	200.0000	5.000000	5.000000	98808.00	31.00000

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	9.217817	35.66658	193601.1	23.88293	517278.8	26.14266	33.42637
SDev	1.884316	4.28832	1922.5	23.09482	6106.8	1.11898	13.23093
ZRSD	20.44211	12.02335	.9930165	96.70010	1.180562	.4551268	39.58232

#1	7.885405	38.69888	192241.7	7.552429	512960.7	26.22679	042.78205
#2	10.55023	32.63428	194960.5	040.21344	521597.0	26.05852	24.07069

Errors	QC Pass						
Value	.0000000	.0000000	206236.0	.0000000	531358.0	.0000000	.0000000
Range	50.00000	40.00000	41247.20	30.00000	106271.6	49.00000	40.00000

Elem	K_7664	Ag3280	Na5889	V_2924	7n2138	As1936	Se1960
Units	ug/L						
Avge	16.62852	-2.31864	1781.005	4.192860	219.1484	42.41016	0324.0767
SDev	4.27571	1.92688	14.885	2.989815	.2140	195.0206	110.6847
ZRSD	25.71312	83.10381	.8357871	71.30730	.0976708	459.8441	34.15385

#1	19.65191	-.956132	1770.479	6.306978	219.2998	-95.4902	0245.8108
#2	13.60514	-3.68115	1791.530	2.078741	218.9971	180.3106	0402.3426

Errors	QC Pass	QC Fail					
--------	---------	---------	---------	---------	---------	---------	---------

*(2) for MERCURY analysis
5/27/92* 107

Value	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000
Range	5000.000	10.00000	5000.000	50.00000	256.0000	200.0000	200.0000
Elem	Tl1908						\
Units	ug/L						
Avge	173.3896						
SDev	104.4916						
%RSD	60.26403						
#1	99.50293						
#2	247.2764						
Errors	QC Pass						
Value	,0000000						
Range	500.0000						

Method: EPACLP Sample Name: ICSABI *5/27/92* Operator: RRB

Run Time: 05/20/92 19:14:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	537005.4	473.3378	486.7127	517.7471	952.0886	506246.3	508.1478
SDev	2919.0	124.3919	3.1146	4.1503	7.6930	2302.5	2.1854
%RSD	.5435665	26.27974	.6399190	.8016040	.8080109	.4548170	.4300696
#1	534941.3	Q385.3794	484.5104	514.8124	946.6489	504618.2	506.6024
#2	539069.4	561.2961	488.9150	520.6818	957.5284	507874.4	509.6931
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	536472.0	500.0000	502.0000	480.0000	907.0000	512228.0	529.0000
Range	107294.4	100.0000	100.4000	96.00000	181.4000	102445.6	105.6000
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	466.0082	554.3878	192727.4	4716.520	515766.0	478.5908	940.1451
SDev	.0272	2.1022	356.7	20.118	2050.9	.8656	5.6711
%RSD	.0058300	.3791933	.1850984	.4265509	.3976453	.1808656	.6032196
#1	466.0274	552.9013	192475.1	4702.294	514315.8	477.9787	936.1350
#2	465.9890	555.8743	192979.6	4730.746	517216.2	479.2029	944.1552
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	477.0000	543.0000	192845.0	4724.000	527530.0	496.0000	940.0000
Range	95.40000	108.6000	39969.00	944.8000	105506.0	99.20000	188.0000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-102.795	950.2383	1809.404	469.5131	1237.617	1096.841	906.3817
SDev	76.250	2.0306	3.370	2.6161	17.352	124.737	50.1085
%RSD	74.17686	.2136985	.1862623	.5571917	1.402036	11.37242	5.528411
#1	-48.8779	948.8024	1811.787	467.6632	1225.347	1185.043	941.8138
#2	-156.711	951.6742	1807.021	471.3629	1249.886	1008.638	870.9497

108

() For PER401 out * Job
5/27/92*

Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value		960.0000		509.0000	1208.0000	1000.0000	1000.0000
Range		192.0000		101.8000	241.6000	200.0000	200.0000

Elem Tl11908
 Units ug/L
 Avge 733.0630
 SDev 95.3120
 %RSD 13.00188

#1 665.6672
 #2 800.4587

Errors	QC Pass
Value	1000.000
Range	400.0000

**DATA CHEM
LABORATORIES**

Method: EPACLP_ Sample Name: CRII *122*Job 5/27/92* Operator: RRB

Run Time: 05/20/92 19:19:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	521.2749	171.4683	414.7702	9.386364	14.93592	10670.03	21.39811
SDev	4.4476	28.2317	3.1145	1.047030	1.52864	60.40	2.13534
%RSD	.8532075	16.46466	.7509087	11.15479	10.23465	.5660291	9.979123

#1	518.1300	191.4311	412.5679	10.12673	13.85501	10627.32	22.90803
#2	524.4198	151.5055	416.9725	8.646003	16.01683	10712.74	19.88820

Errors	QC Pass						
Value	400.0000	120.0000	400.0000	10.00000	10.00000	10000.00	20.00000
Range	400.0000	120.0000	400.0000	10.00000	10.00000	10000.00	20.00000

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
Units	ug/L						
Avge	102.4639	61.27861	272.1223	74.95528	10623.10	32.54816	103.0233
SDev	2.0025	2.10912	3.5139	17.79933	39.17	.00008	28.3577
%RSD	1.954304	3.441858	1.291283	23.73326	.3687623	.0002486	27.52553

#1	103.8799	62.76998	274.6070	87.53424	10595.40	32.54810	123.0752
#2	101.0480	59.78723	269.6376	62.37632	10650.80	32.54821	82.97136

Errors	QC Pass						
Value	100.0000	50.00000	200.0000	60.00000	10000.00	30.00000	80.00000
Range	100.0000	50.00000	200.0000	60.00000	10000.00	30.00000	80.00000

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	10389.31	21.61670	10420.90	102.1197	53.36647	96.83835	134.9635
SDev	280.06	1.05017	66.84	5.3533	6.43603	7.99645	10.0487
%RSD	2.695634	4.858124	.6414451	5.242153	12.06006	8.257528	7.445526

#1	10587.34	20.87412	10373.64	98.33441	57.91743	102.4927	142.0690
#2	10191.28	22.35928	10469.17	105.9051	48.81551	91.18400	127.8580

109
*← FOR METHOD ONE Job
 5/27/92*

DATA CHEM LABORATORIES

Method: EPACDLP Sample Name: FBM Run Time: 05/20/92 19:25:49 Operator: RRB Comment:

#1 83.08120
#2 -11.9908

Method: EPACLP Sample Name: LCBW
Run Time: 05/20/92 19:35:37

Operator: RRB

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	1836.762	597.6545	1772.133	41.89825	47.91087	44589.43	88.64578
SDev	15.161	13.8471	6.229	.00000	1.52579	192.34	2.13929
%RSD	.8254397	2.316908	.3515048	.0000000	3.184640	.4313547	2.413296

#1	1847.483	607.4459	1776.538	41.89825	48.98976	44725.43	90.15848
#2	1826.042	587.8632	1767.729	41.89825	46.83197	44453.42	87.13307

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	451.1707	249.6102	929.4351	1715.226	44295.62	132.7814	386.7348
SDev	4.0313	2.1165	1.7580	5.930	201.85	1.8474	9.4481
%RSD	.8935233	.8479338	.1891486	.3457045	.4556790	1.391337	2.443049

#1	454.0213	251.1069	928.1920	1719.419	44438.35	134.0877	380.0540
#2	448.3202	248.1136	930.6782	1711.034	44152.89	131.4751	393.4157

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	44546.35	89.36820	45560.20	442.5150	212.0182	1724.111	1832.848
SDev	63.42	1.03443	223.28	.0004	6.5599	8.003	60.282
%RSD	.1423655	1.157493	.4900708	.0000975	3.094047	.4641929	3.289006

#1	44501.50	88.63674	45718.08	442.5147	216.6567	1718.452	1790.222
#2	44591.19	90.09965	45402.32	442.5153	207.3796	1729.770	1875.475

Elem	Tl1908
Units	ug/L
Avge	01478.300
SDev	50.489
%RSD	3.415353

#1	01514.002
#2	01442.599

DATA CHEM
LABORATORIES

Method: EPACLP Sample Name: MYH766
Run Time: 05/20/92 19:46:08

Operator: RRB

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	122.2354	15.17112	23.49141	-1.46880	-1.08213	30723.65	5.322133
SDev	1.5168	58.74122	.00000	.00000	.00942	64.11	8.531837
%RSD	1.240889	387.1910	.0000000	.0000000	.8708906	.2086685	160.3086

#1	121.1629	-26.3652	23.49141	-1.46880	-1.07547	30678.31	11.35505
#2	123.3080	56.70744	23.49141	-1.46880	-1.08880	30768.98	-.710787
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
Units	ug/L						
Avge	-1.42827	14.95084	17.39468	11.70640	9074.916	-.173268	8.018889
SDev	.00748	.00368	1.76053	11.83805	5.823	.000141	18.90387
ZRSD	.5234907	.0245909	10.12107	101.1246	.0641689	.0811351	235.7418
#1	-1.42298	14.95344	16.14980	3.335636	9079.033	-.173367	-5.34817
#2	-1.43356	14.94824	18.63956	20.07716	9070.798	-.173168	21.38595
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	4965.383	.0077668	91537.05	-.004538	12.25233	15.86050	-.56.8304
SDev	9.264	2.066189	490.09	.001402	.06184	11.83510	40.1889
ZRSD	.1865758	26602.69	.5354021	30.90564	.5047523	74.61996	70.71727
#1	4971.934	-1.45325	91190.51	-.005529	12.29406	7.491823	-85.2482
#2	4958.832	1.468783	91883.60	-.003546	12.20860	24.22919	-28.4126
Elem	Tl1908						
Units	ug/L						
Avge	22.91185						
SDev	50.51281						
ZRSD	220.4658						
#1	58.62980						
#2	-12.8061						

Method: EPACLP_ Sample Name: MYH766L Operator: RRB

Run Time: 05/20/92 19:51:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	31.09465	-.811619	4.404640	.0000005	2.124389	6415.815	7.708493
SDev	12.13083	37.59000	.0000000	.0000000	4.545461	3.717	4.266594
ZRSD	.39.01259	4631.485	.0000000	.0000000	213.9656	.0579318	55.34927
#1	39.67244	-27.3918	4.404640	.0000005	-1.08974	6418.444	10.72543
#2	22.51686	25.76853	4.404640	.0000005	5.338515	6413.188	4.691555
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1.419164	2.988244	1.239871	4.020060	1876.982	-.035960	12.03170
SDev	.001960	.000974	3.513097	23.66494	11.254	.000176	5.67116
ZRSD	.1381211	.0325807	283.3437	588.6712	.5995645	.4898232	47.13519
#1	1.420550	2.988932	3.724006	20.75370	1869.024	-.035836	8.021581
#2	1.417778	2.987555	-1.24426	-12.7136	1884.939	-.036085	16.04182
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1057.172	-.715379	18463.43	-.002217	9.193909	30.55067	63.94161

SDev	177.441	1.037182	49.71	.002398	.017988	15.92435	10.04677
%RSD	16.78452	144.9836	.2692358	108.1767	.1956543	52.12439	15.71242
#1	931.7021	-1.44878	18498.58	-.003913	9.206629	19.29046	56.83747
#2	1182.642	.0180197	18428.28	-.000521	9.181190	41.81089	71.04575
Elem	Tl1908						
Units	ug/L						
Avg	L-154.853						
SDev	33.604						
%RSD	21.70046						
#1	L-131.092						
#2	L-178.615						

Method: EPACLP Sample Name: MYH7665 Job Operator: RRB
 Run Time: 05/20/92 19:57:17 Comment:
5/27/92

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	2109.322	573.2774	2068.712	49.12009	57.23099	30224.96	213.0566
SDev	9.252	53.9807	10.382	.01264	.00911	20.44	.0053
%RSD	.4386137	9.416154	.5018500	.0257384	.0159164	.0676347	.0024815
#1	2102.780	535.1073	2076.053	49.11115	57.23743	30239.42	213.0528
#2	2115.863	611.4475	2061.371	49.12903	57.22454	30210.51	213.0603
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	522.3040	283.9711	1062.349	496.1625	8877.977	512.4830	525.8195
SDev	.0037	.0018	.000	5.9073	22.545	.9277	.9.4519
%RSD	.0007024	.0006307	.0000000	1.190603	.2539457	.1810185	1.797564
#1	522.3065	283.9724	1062.349	491.9853	8862.035	513.1390	519.1360
#2	522.3013	283.9699	1062.349	500.3396	8893.919	511.8270	532.5031
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	5146.281	51.92547	90273.00	520.0781	539.5254	2131.516	1932.292
SDev	1.425	1.00090	393.76	8.0276	.0308	11.942	120.570
%RSD	.0276950	1.927564	.4361931	1.543535	.0057115	.5602630	6.239740
#1	5147.289	51.21773	90551.43	525.7545	539.5472	2123.071	1947.036
#2	5145.273	52.63321	89994.56	514.4018	539.5037	2139.960	2017.548
Elem	Tl1908						
Units	ug/L						
Avg	-78.3621						
SDev	67.3433						
%RSD	85.93670						

#1 L-125.981
 #2 -30.7431

DATACHEM
 LABORATORIES

Method: EPACLP Sample Name: MYH766D Operator: RRB

Run Time: 05/20/92 20:08:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	41.81580	15.23893	23.49141	-1.46880	-1.06863	30593.56	2.303261
SDev	18.19634	11.80021	.00000	.00000	.00951	99.42	4.263684
%RSD	43.51546	77.43466	.0000000	.0000000	.8901847	.3249760	185.1151

#1	54.68256	23.58293	23.49141	-1.46880	-1.06210	30523.25	5.318141
#2	28.94905	6.894916	23.49141	-1.46880	-1.07556	30663.85	-7.711619

Elem	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-1.42853	14.95074	28.57931	-17.5064	9091.223	1.136768	6.682183
SDev	4.02111	4.22618	3.51612	5.9486	39.054	.000458	17.01730
%RSD	281.4857	28.26738	12.30303	33.97942	.4295774	.0402571	254.6668

#1	1.414825	17.93910	26.09303	-13.3001	9063.607	1.137092	18.71523
#2	-4.27189	11.96238	31.06558	-21.7127	9118.838	1.136445	-5.35086

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	5172.988	1.458255	91956.69	-.004671	12.25512	-.419332	7.105347
SDev	267.230	2.055546	177.50	.000660	.06659	12.00301	130.6129
%RSD	5.165882	140.9593	.1930261	14.12880	.5433590	2862.415	1838.234

#1	5361.948	2.911746	91831.18	-.005138	12.20804	-8.90674	-85.2519
#2	4984.027	.0047647	92082.20	-.004205	12.30221	8.068077	99.46260

Elem	Tl1908
Units	ug/L
Avge	-60.5513
SDev	67.2772
%RSD	111.1077

#1	L-108.123
#2	-12.9791

Method: EPACLP Sample Name: COV2 (6)* Operator: RRB

Run Time: 05/20/92 20:09:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	25453.07	5094.087	5103.509	5074.060	5152.811	25627.78	5142.514
SDev	149.27	112.359	26.993	33.168	16.603	231.36	42.642
%RSD	.5864407	2.205679	.5289033	.6536792	.3222029	.9027835	.8292092

#1	25347.53	5014.637	5084.422	5050.606	5141.071	25464.19	5112.361
#2	25558.62	5173.537	5122.596	5097.513	5164.551	25791.38	5172.667

DATAACHEM

()⁴ FOR MERRAOI ONLY

Report ID: R001									
Run Time: 05/20/92 20:11:44									
Method: EPACILP									
Sample Name: CCBZ (6)*									
Unit	Element	Conc Factor:	Conc	Conc	Conc	Conc	Conc	Conc	Conc
Avg	SDDEV	5072.748	1015.649	25451.01	5072.694	5142.324	5094.681	5213.103	5086.53
Avg	SDDEV	42.04	3.281	151.66	42.774	40.918	40.944	40.81	40.64
Avg	SDDEV	25727.888	1015.649	25451.01	5072.694	5142.324	5094.681	5213.103	5086.53
Avg	SDDEV	16341.75	3230731	.5959030	"8432155	"7957157	"2603930	1.541570	1.50415
Avg	SDDEV	25757.61	1013.329	25343.77	5042.449	5113.391	5085.300	5156.277	5269.929
Avg	SDDEV	25698.15	1017.969	25558.25	5102.940	5171.258	5104.061	5156.277	5269.929
Avg	SDDEV	5261.325	4884.171	4884.171	4884.171	4884.171	4884.171	4884.171	4884.171
Units	Element	Tl 1909	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units	Element	A13092	SB2068	Ba4934	Ba3130	CD2288	CD3158	CD2677	CD2677
Units	Element	3.215075	-6.62557	2.936426	"0000005	-1.12037	32.19401	1.508684	1.508684
Units	Element	3.215067	3.215067	2.936426	"0000005	-1.12037	22.99575	1.508622	1.508622
Units	Element	0.0001730	428.8708	"0000000	"0000000	294.0219	23.57014	0.0028775	0.0028775
Units	Element	0.000006	7.04640	"0000000	"0000000	6.50415	6.50415	1.508653	1.508653
Units	Element	3.215071	-1.64301	2.936426	"0000005	2.936426	32.19401	1.508684	1.508684
Units	Element	3.215075	-6.62557	2.936426	"0000005	-1.12037	22.99575	1.508622	1.508622
Units	Element	0.0001730	428.8708	"0000000	"0000000	294.0219	23.57014	0.0028775	0.0028775
Units	Element	1.416651	16.44465	"0000534	-25.0778	5.6425	0.000061	3.78456	3.78456
Units	Element	2.84.1836	12.11545	1.757304	17.7236	5.6425	0.000061	3.78456	3.78456
Units	Element	2.84.1836	12.86404	2.929084.3	70.6745	23.59174	"0046922	20.22193	20.22193
Units	Element	-1.43009	17.94049	-1.24314	-12.5453	-27.9170	1.309667	16.03912	16.03912
Units	Element	4.263386	14.94049	1.242068	0-37.6103	-19.9374	1.309580	21.39133	21.39133
Units	Element	K.7664	AG3280	Na5899	V.2924	Zn2138	As1936	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.5122.564	25671.57	5178.787	25456.54	5138.793	5149.846	5149.846	5149.846
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	5166.463	5165.912	2579.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5079.215	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se1960	Se1960	Se1960
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	1.471392	13.30590	0.0004595	-106216	ug/L	ug/L	ug/L	ug/L
Units	Element	1.471392	13.30590	0.0002967	"006762	51.46330	90.4249	254.2594	254.2594
Units	Element	5142.288	61.304	158.14	99.011	123.29	123.409	95.100	95.100
Units	Element	5142.288	61.304	1.196742	"6160197	1.718766	"4843129	"6306769	"6306769
Units	Element	5118.112	5079.215	25559.75	5113.847	25369.36	5115.876	5089.671	5089.671
Units	Element	5118.112	5079.215	25783.40	5241.727	25543.72	5161.709	5210.020	5210.020
Units	Element	Na5899	Ag3280	V.2924	Zn2138	As1936	Se19		

#1	151.6724	1.487165	21.64691	.00002498	-."101434	69.93089	-99.46222	EL em	T11908	Units/L	Avg/e	-47.5790	XRGD	389.1831	#1	B3.35564	-178.514	#2
#2	-300.925	1.455618	4.964899	.0006693	-."110997	-2.84921	28.41795				SDev	185.1696						
											Avg/e	-47.5790						
											SDev	185.1696						
												XRGD	389.1831					

Run Time: 05/20/92 20:21:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	125.5940	31.30375	3.670533	.0119632	1.077600	182.6520	6.047590
SDev	2.9325	30.42902	1.038184	.0084303	3.032447	15.7959	6.403555
%RSD	2.334934	97.20567	28.28427	70.46884	281.4074	8.648086	105.8860
#1	123.5203	52.82032	2.936426	.0179243	-1.06666	193.8214	10.57559
#2	127.6676	9.787184	4.404640	.0060021	3.221863	171.4826	1.519593
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-2.86705	11.95328	155.3231	3.988882	146.5710	1.962359	21.38458
SDev	2.02428	.00518	3.5169	.025462	22.5268	.925151	26.46351
%RSD	70.60501	.0433383	2.264227	.6383139	15.36924	47.14481	123.7504
#1	-1.43567	11.95695	152.8363	4.006886	130.6421	2.616540	2.672053
#2	-4.29844	11.94962	157.8099	3.970877	162.4999	1.308179	40.09712
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	124.4621	-.027357	1042.031	-7.59538	10.65747	1.376136	.0024872
SDev	369.1348	.026909	20.222	5.35258	2.26497	7.756482	120.5686
%RSD	296.5841	98.36190	1.940603	70.47156	21.25238	563.6420	4847596.
#1	385.4798	-.046384	1027.732	-11.3802	12.25904	-4.10852	85.25733
#2	-136.556	-.008330	1056.330	-3.81053	9.055896	6.860797	-85.2524

DATA CHEM
LABORATORIES

Method: EPACLP Sample Name: MYH755

Operator: RRB

Run Time: 05/20/92 20:27:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	80.34468	28.66754	58.72853	-1.47473	1.044147	60619.44	3.119663
SDev	.00112	.02414	.00000	.00000	.031814	19.51	.001016
%RSD	.0013899	.0842221	.0000000	.0000514	3.046892	.0321873	.0325701
#1	80.34390	28.68462	58.72853	-1.47473	1.021651	60605.64	3.118944
#2	80.34547	28.65047	58.72853	-1.47473	1.066643	60633.23	3.120381
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-4.29418	23.91393	104.3780	69.32153	21762.42	1.552858	38.76042

LABORATORIES
DATACHEM

118

Run Time: 05/20/97 20:32:21									
Method: EPACLP Sample Name: MYH781 Operator: RRB									
Comments:									
#2	-14.9277	-15.0885							
Units	T11909	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4149.577	.0622527	171534.3	3.764320	397.1832	74.46769	-85.2550	-28.4196	
SDDEV	387.663	-1.40664	171684.5	3.763984	412.5808	46.46429	-56.9373	40.1887	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	4423.696	-1.914431	100.6502	77.66760	21742.59	2.207739	37.42101		
SDDEV	-7.14126	23.914431	100.91356	108.1058	60.97545	21782.25	.8979765	40.09983	
Units	K.7664	Ag3280	N5889	V_2974	Zn2138	As1936	Se1960		
SDDEV	93.76369	.0022221	5.2719	11.80313	28.05	.926142	1.89421		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	4.02638	.000053	5.2719	11.80313	28.05	.926142	1.89421		
SDDEV									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	50.42930	51.62514	58.72853	-1.46581	-1.10648	60974.89	.1148943		
SDDEV	3.08506	9.37940	.00000	.00422	.006414	31.60	.0025633		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	49.24784	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	50.42930	51.62514	58.72853	-1.46581	-1.10648	60974.89	.1148943		
SDDEV	3.08506	9.37940	.00000	.00422	.006414	31.60	.0025633		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	413082	582068	Ba4934	Ba3130	CD2288	Ca3158	CP2677		
SDDEV									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	50.42930	51.62514	58.72853	-1.46581	-1.10648	60974.89	.1148943		
SDDEV	3.08506	9.37940	.00000	.00422	.006414	31.60	.0025633		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	413082	582068	Ba4934	Ba3130	CD2288	Ca3158	CP2677		
SDDEV									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	50.42930	51.62514	58.72853	-1.46581	-1.10648	60974.89	.1148943		
SDDEV	3.08506	9.37940	.00000	.00422	.006414	31.60	.0025633		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	50.42930	51.62514	58.72853	-1.46581	-1.10648	60974.89	.1148943		
SDDEV	3.08506	9.37940	.00000	.00422	.006414	31.60	.0025633		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9274	.0518182	2.230995		
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Avg	52.61077	44.99291	58.72853	-1.46283	-1.27316	60997.23	.1167069		
SDDEV	6.117590	18.16828	.0000000	.2879229	276.9				

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2.288017	9.922574	.0000000	.0119238	-1.08497	59.78895	4.532144
SDev	1.516578	37.50702	.0000000	.0000015	.00016	7.43334	4.266796
%RSD	66.28349	377.9969	.0000000	.0126476	.0151811	12.43263	94.14520
#1	1.215635	36.44404	.0000000	.0119248	-1.08509	65.04511	7.549224
#2	3.360400	-16.5989	.0000000	.0119227	-1.08485	54.53278	1.515063
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-2.85792	5.976250	9.939209	-20.9521	-12.1061	-0.000898	24.05801
SDev	2.01043	.001617	5.273425	23.6608	11.2257	.000334	7.56346
%RSD	70.34605	.0270586	53.05679	112.9280	92.72718	37.23101	31.43843
#1	-4.27951	5.977394	6.210335	-4.22139	-4.16838	-0.001135	18.70984
#2	-1.43633	5.975107	13.66808	L-37.6828	-20.0439	-0.000662	29.40619
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-99.2674	-1.48382	270.8843	-7.57035	-0.096230	14.04377	-21.3110
SDev	235.1631	2.06097	7.5831	.00096	.025383	.04118	90.4252
%RSD	236.8987	138.8962	2.799394	.0126446	26.37697	.2932489	424.3115
#1	67.01803	-.026495	276.2464	-7.57102	-.078282	14.07289	42.62921
#2	-265.553	-2.94115	265.5222	-7.56967	-.114178	14.01465	-85.2513
Elem	Tl1908						
Units	ug/L						
Avge	-59.5933						
SDev	.0927						
%RSD	.1556338						
#1	-59.5277						
#2	-59.6589						

Method: EPACLP Sample Name: PBW Operator: RRB

Run Time: 05/20/92 21:01:41

Comment:

Mode: CONC Corr. Factor: i

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	28.16632	-.016066	.0000000	-.710558	2.142866	45.99150	4.536205
SDev	10.61594	.019534	.0000000	1.038601	1.519487	4.64585	4.266507
%RSD	37.69021	121.5902	.0000000	146.1669	70.90909	10.10155	94.05454
#1	20.65971	-.002253	.0000000	.0238434	1.068427	42.70639	7.553082
#2	35.67292	-.029879	.0000000	-1.44496	3.217305	49.27662	1.519329
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-.011352	1.489702	-1.24421	-12.5840	-43.8762	-.656823	29.40753
SDev	2.000506	2.121180	.00151	23.7071	.0246	.925858	34.02889
%RSD	17621.94	142.3896	.1215279	188.3911	.0559690	140.9600	115.7149

#1	1.403219	- .010199	-1.24528	4.179464	-43.8589	- .002143	053.46959
#2	-1.42592	2.989603	-1.24314	-29.3474	-43.8936	-1.31150	5.345476
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	70.54530	- .060958	23.83147	-15.1371	1.440490	11.24242	56.84240
SDev	185.9926	4.120079	6.45970	.0018	2.283312	3.92066	40.18941
%RSD	263.6499	6758.865	27.10576	.0120506	158.5094	34.87380	70.70322
#1	202.0619	2.852377	19.26377	-15.1384	- .174055	8.470094	28.42420
#2	-60.9713	-2.97429	28.39916	-15.1358	3.055035	14.01474	85.26060
Elem	Tl1908						
Units	ug/L						
Avg	-118.909						
SDev	50.478						
%RSD	42.45089						
#1	-83.2156						
#2	-154.602						

**DATA CHEM
LABORATORIES**

Method: EPACLP Sample Name: LCSW Operator: RRB
 Run Time: 05/20/92 21:06:53
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	1852.693	586.8706	1811.775	42.62074	47.82541	44944.88	93.18379
SDev	31.741	27.4885	29.069	1.03018	7.55309	490.60	.01509
%RSD	1.713245	4.683908	1.604452	2.417079	15.79306	1.091558	.0161930
#1	1830.249	567.4333	1791.220	41.89229	42.48457	44597.97	93.17312
#2	1875.138	606.3079	1832.330	43.34918	53.16625	45291.78	93.19446
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	444.0509	242.1337	924.4631	1828.060	45387.96	139.9623	388.0648
SDev	10.0708	.0011	12.3012	23.679	757.58	.9123	7.5520
%RSD	2.267936	.0004367	1.330629	1.295318	1.669120	.6518206	1.946068
#1	436.9298	242.1329	915.7649	1811.316	44852.27	139.3172	393.4049
#2	451.1720	242.1344	933.1614	1844.803	45923.65	140.6074	382.7247
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	45820.19	91.62981	45800.50	450.0793	188.9313	1827.434	1761.802
SDev	614.99	.04463	767.58	5.3488	8.6901	51.092	160.755
%RSD	1.342174	.0487081	1.675923	1.188406	4.599597	2.795824	9.124455
#1	45385.33	91.59824	45257.74	446.2971	195.0761	1791.307	1648.131
#2	46255.06	91.66136	46343.26	453.8614	182.7865	1863.561	1875.473
Elem	Tl1908						
Units	ug/L						
Avg	01537.846						

SDev 67.637
%RSD 4.398173

#1 01585.672
#2 01490.019

Method: EPACLP Sample Name: MERA26

Operator: RRB

Run Time: 05/20/92 21:13:11

Comment:

Mode: CONC Corr. Factor: 1

Elem.	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	40.70128	27.85446	23.49141	.0089392	-3.23182	156520.9	.8863869
SDev	19.76367	18.81785	.00000	.0042156	6.07429	21.4	2.135380
%RSD	48.55785	67.55776	.0000000	47.15875	187.9525	.0136518	240.9083

#1	26.72626	41.16069	23.49141	.0059583	1.063350	156505.8	-.623554
#2	54.67630	14.54823	23.49141	.0119201	-7.52700	156536.0	2.396328

Elem.	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	-.004852	2.988186	-4.97072	5.810695	31900.61	126.3850	13.36706
SDev	2.009453	.002116	1.75655	17.71725	11.31	.0004	11.34423
%RSD	41415.99	.0708215	35.33789	304.9076	.0354525	.0003415	84.86706

#1	1.416046	2.986690	-6.21279	-6.71729	31908.60	126.3853	21.38864
#2	-1.42575	2.989683	-3.72865	18.33868	31892.61	126.3847	5.345476

Elem.	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	2521.995	-1.50185	22209.93	-5.67539	-.051085	11.01995	-63.9360
SDev	267.943	2.07416	49.43	2.67658	.036719	4.04259	50.2343
%RSD	10.62426	138.1075	.2225572	47.16119	71.87844	36.68433	78.56969

#1	2332.531	-.035192	22244.88	-3.78276	-.077050	13.67849	-28.4150
#2	2711.460	-2.96850	22174.98	-7.56801	-.025121	8.161402	-99.4570

Elem.	Tl1908
Units	ug/L
Avg	-96.5245
SDev	117.8030
%RSD	122.0447

#1	-13.2252
#2	L-179.824

Method: EPACLP Sample Name: MERA26D

Operator: RRB

Run Time: 05/20/92 21:51:06

Comment:

Mode: CONC Corr. Factor: 1

Elem.	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	-.147291	44.73056	23.56580	-.751766	1.080901	160500.8	-3.66244

SDev	1.467556	2.18955	.00000	.004273	3.007845	170.8	.00713
%RSD	996.3635	4.894984	.0000000	.5684420	278.2721	.1063890	.1948142
#1	.8904273	43.18231	23.56580	-.754788	-1.04597	160380.1	-3.66749
#2	-1.18501	46.27881	23.56580	-.748744	3.207769	160621.6	-3.65740
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-10.1185	34.35078	5.040199	5.875524	31987.13	122.8951	-1.36625
SDev	4.0856	6.33495	.000003	.057639	119.59	.9469	7.67837
%RSD	40.37730	18.44194	.0000535	.9809964	.3738760	.7704549	562.0050
#1	-7.22957	38.83026	5.040201	5.916281	31902.57	123.5646	4.063180
#2	-13.0075	29.87129	5.040197	5.834767	32071.69	122.2256	-6.79567
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2169.137	-.021950	22359.90	-.000127	1.463805	2.874472	99.18048
SDev	448.039	.014969	69.64	2.713233	.042445	61.44769	30.05541
%RSD	20.65518	68.19602	.3114581	2136110.	2.899629	2137.704	30.30376
#1	1852.325	-.032534	22409.15	1.918418	1.433792	-40.5756	120.4329
#2	2485.948	-.011365	22310.66	-1.91867	1.493818	46.32455	77.92809
Elem	Tl1908						
Units	ug/L						
Avge	L-104.345						
SDev	72.779						
%RSD	69.74846						
#1	L-155.808						
#2	-52.8826						

DATA CHEM
LABORATORIES

Method: EPACLP Sample Name: COV3(7)* Operator: RRB

Run Time: 05/20/92 21:53:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Co2288	Ca3158	Cr2677
Units	ug/L						
Avge	25320.91	5042.635	5121.143	5152.030	5110.684	25743.59	5178.304
SDev	250.35	98.632	27.078	32.919	42.689	201.12	23.806
%RSD	.9887096	1.955970	.5287541	.6389547	.8352856	.7812300	.4597289
#1	25143.89	4972.692	5101.996	5128.752	5080.498	25601.38	5161.470
#2	25497.94	5112.379	5140.290	5175.307	5140.870	25885.80	5195.137
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	5200.074	5095.521	25891.82	5193.758	25379.40	5165.263	5176.557
SDev	18.389	65.471	108.67	107.510	142.54	16.996	5.774
%RSD	.3536280	1.284878	.4196946	2.069990	.5616422	.3290397	.1115327
#1	5187.071	5049.227	25814.98	5117.736	25278.61	5153.245	5172.474
#2	5213.077	5141.817	25968.66	5269.779	25480.19	5177.281	5180.639

(*) FOR MERAQ ONLY

LABORATORIES

124

(* * * * * MEET ONLY)

#1 -128.622
#2 .1500427

Method: EPACLP Sample Name: MERA26L

Operator: RRB

Run Time: 05/20/92 22:00:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	224.6397	16.27915	4.418588	-.751767	-3.26867	32387.27	-6.85335
SDev	6.0296	54.15624	.000000	.004273	.00967	49.33	4.33075
%RSD	2.684121	332.6725	.0000000	.5683292	.2958241	.1523183	63.19177

#1	220.3761	54.57339	4.418588	-.748746	-3.26183	32352.39	-3.79104
#2	228.9033	-22.0151	4.418588	-.754788	-3.27550	32422.15	-9.91565

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	-5.78616	5.972053	5.041330	-9.26284	6259.816	21.24145	9.491238
SDev	2.05672	.006106	7.127618	11.93767	45.606	.00026	30.69606
%RSD	35.54562	.1022468	141.3837	128.8770	.7285568	.0012127	323.4148

#1	-4.33183	5.976371	.0013431	-17.7040	6227.567	21.24163	-12.2142
#2	-7.24048	5.967735	10.08132	-.821630	6292.065	21.24127	31.19663

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	-48.5437	-.719041	4339.158	.0011509	-1.60258	36.02506	-7.07353
SDev	82.3814	1.050953	.000	2.712727	.10102	12.12259	20.03846
%RSD	169.7056	146.1603	.0000000	235703.6	6.303508	33.65044	283.2881

#1	-106.796	-1.46218	4339.158	-1.91704	-1.53115	27.45309	7.095806
#2	9.708721	.0240949	4339.158	1.919339	-1.67401	44.59703	-21.2429

Elem	Tl1908
Units	ug/L
Avg	-64.6560
SDev	54.4598
%RSD	84.23004

#1	L-103.165
#2	-26.1471

DATACHEM
LABORATORIES

Method: EPACLP Sample Name: MERA26S

Operator: RRB

Run Time: 05/20/92 22:05:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	2166.596	532.2550	2185.728	53.26016	53.13831	161717.7	211.8055
SDev	46.902	1.9846	49.991	3.17238	.09102	3210.3	2.2381
%RSD	2.164799	.3728735	2.287141	5.956381	.1712958	1.985111	1.056675

#1	2133.431	533.6583	2150.379	51.01695	53.20267	159447.7	210.2230
#2	2199.761	530.8516	2221.077	55.50337	53.07394	163987.7	213.3881
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	534.5535	291.0931	1113.524	588.6831	32157.84	661.7357	549.9583
SDev	10.2194	2.1112	28.504	6.0064	831.19	15.0921	.0097
ZRSD	1.911769	.7252737	2.559759	1.020303	2.584729	2.280683	.0017579
#1	527.3272	289.6002	1093.369	592.9302	31570.10	651.0640	549.9514
#2	541.7797	292.5859	1133.679	584.4360	32745.58	672.4075	549.9651
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2092.999	54.42546	22560.07	550.3689	536.6706	2264.375	2125.169
SDev	762.389	2.15590	472.84	10.8479	8.7839	101.661	50.096
ZRSD	36.42567	3.961194	2.095917	1.971024	1.636730	4.489587	2.357287
#1	2632.090	52.90101	22225.72	542.6982	530.4595	2192.490	2160.593
#2	1553.909	55.94991	22894.42	558.0395	542.8817	2336.260	2089.746
Elem	Tl1908						
Units	ug/L						
Avge	L-162.023						
SDev	17.682						
ZRSD	10.91358						
#1	L-174.526						
#2	L-149.519						

Method: EPACLP Sample Name: MERA27 Operator: RRB

Run Time: 05/20/92 22:09:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	29.90776	27.90061	25.03866	-754787	-031969	172120.5	-3.37337
SDev	13.78474	30.97981	.00000	.008547	1.492231	593.9	4.34808
ZRSD	46.09084	111.0363	.0000000	1.132345	4667.717	.3450252	128.8944
#1	20.16048	49.80664	25.03866	-760830	1.023198	171700.6	-6.44793
#2	39.65505	5.994575	25.03866	-748743	-1.08714	172540.5	-.298810
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-4.33535	5.974668	12.59845	-11.2513	34398.84	128.8577	-5.43080
SDev	4.09404	4.221590	3.56458	11.9536	32.52	.0018	13.42651
ZRSD	94.43390	70.65814	28.29381	106.2425	.0945341	.0014234	247.2291
#1	-7.23028	8.959784	15.11899	-2.79878	34375.84	128.8590	4.063180
#2	-1.44043	2.989554	10.07791	-19.7038	34421.83	128.8564	-14.9248
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	2778.743	1.464398	23769.07	1.918627	1.554028	43.11314	28.33763

Re: 68

SDev	87.440	.043228	145.77	5.426543	.055865	44.98199	50.09653
ZRSD	3.146743	2.951946	.6132774	282.8348	3.594855	104.3348	176.7845
#1	2716.914	1.494965	23872.15	5.785772	1.514525	74.92021	-7.08597
#2	2840.573	1.433831	23665.99	-1.91852	1.593530	11.30607	63.76122
ELEM	T11908						
UNITS	ug/L						
AvgE	L-168.983						
SDev	127.385						
ZRSD	75.38337						
#1	L-259.058						
#2	-78.9082						

Method: EPACLP Sample Name: MERA26 Operator: RRB

Run Time: 05/20/92 22:14:20

Comment:

Mode: CONC Corr. Factor: 1

ELEM	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AvgE	7.531520	36.61737	.7364312	.7517623	1.076500	59.70184	-9.18404
SDev	9.172882	14.12408	1.041471	.0042719	3.066837	1.89733	2.16359
ZRSD	121.7932	38.57207	141.4214	.5682542	284.8897	3.178006	23.55821
#1	1.045313	46.60461	1.472862	.7487416	-1.09208	61.04347	-7.65414
#2	14.01773	26.63014	.0000000	.7547830	3.245081	58.36024	L-10.7139
ELEM	Co2286	Cu3247	Fe2599	Pb2203	Hg2790	Mn2576	Ni2316
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AvgE	-1.43110	-1.48637	12.60051	-8.49221	15.94715	-5.34072	-39.3449
SDev	4.08857	2.111214	.00077	12.01693	.00429	.00059	.0039
ZRSD	285.6932	142.1000	.0060850	141.5053	.0269027	.0109599	.0099038
#1	1.459950	-2.97988	12.59997	.0050413	15.94412	-5.34030	-39.3422
#2	-4.32216	.0071329	12.60105	-16.9895	15.95018	-5.34113	-39.3476
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AvgE	-730.710	.7335920	640.1873	.0004545	.1305497	.2.829697	21.25286
SDev	208.844	1.016592	5.9211	2.712309	2.204222	12.29151	60.11396
ZRSD	28.58096	138.5772	.9249033	596786.7	1688.416	434.3754	282.8512
#1	-878.385	.0147532	644.3741	1.918346	1.689170	11.52110	-21.2541
#2	-583.035	1.452431	636.0004	-1.91744	-1.42807	-5.86171	63.75985
ELEM	T11908						
UNITS	ug/L						
AvgE	L-115.991						
SDev	54.612						
ZRSD	47.08320						
#1	L-154.607						
#2	-77.3741						

DATA CHEM
LABORATORIES

127
JR
6/10/92

+29
129

Method: EPACLP Sample Name: ICSAFT ~~128~~ Job 5/27/92 Operator: RRB
 Run Time: 05/20/92 22:19:18
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	553350.9	-29.6774	13.25576	-3.77960	1.808196	528541.5	9.858731
SDev	693.2	100.9650	.00000	.00451	5.981904	131.8	.020237
%RSD	.1252785	340.2086	.0000000	.1194153	330.8218	.0249425	.2052722

#1	553841.1	41.71564	13.25576	-3.77641	-2.42165	528448.3	9.873041
#2	552860.8	Q-101.070	13.25576	-3.78279	Q6.038041	528634.8	9.844421

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-1.00986	17.48722	200302.7	-24.7355	535068.7	23.22512	-4.07097
SDev	8.23315	4.19899	928.2	4.9064	275.0	2.84336	23.03129
%RSD	815.2799	24.01176	.4633873	19.83535	.0513908	12.24260	565.7441

#1	-6.83158	20.45635	200959.0	-21.2662	535263.1	25.23568	-20.3566
#2	4.811863	14.51808	199646.3	-28.2048	534874.2	21.21456	12.21461

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	-22.9944	.0739403	1811.106	13.19387	226.8844	-40.0984	0274.0133
SDev	63.5926	3.141663	6.203	2.86562	24.2490	135.5522	30.0536
%RSD	276.5569	4248.920	.3424968	21.71934	10.68783	338.0489	10.96793

#1	-67.9612	-2.14755	1806.720	11.16757	209.7378	-135.948	0295.2644
#2	21.97237	2.295432	1815.492	15.22017	244.0310	55.75147	0252.7622

Elem	Tl1190B
Units	ug/L
Avge	160.4839
SDev	268.9488
%RSD	167.5862

**DATACHEM
LABORATORIES**

#1	-29.6916
#2	350.6594

Method: EPACLP Sample Name: ICSABF ~~128~~ Job 5/27/92 Operator: RRB
 Run Time: 05/20/92 22:23:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	553127.2	464.6031	502.2461	535.2285	964.1998	524064.6	506.9302
SDev	181.1	128.6436	.0000	2.1094	7.8973	118.6	6.5191
%RSD	.0327425	27.68893	.0000000	.3941056	.8190559	.0226214	1.286003

#1	552999.2	555.5679	502.2461	536.7200	958.6155	523980.7	511.5399
#2	553255.3	Q373.6383	502.2461	533.7369	969.7841	524148.4	502.3205

(1) FOR MERGE ONLY Job 5/27/92

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgae	467.0640	549.0361	195952.0	4924.066	534997.5	491.2556	951.4696
SDev	4.1298	4.2055	632.4	137.718	1373.2	.0058	7.6783
%RSD	.8842143	.7659753	.3178860	2.796842	.2566661	.0011816	.8069989
#1	464.1437	552.0099	197399.2	4826.685	535968.4	491.2515	946.0402
#2	469.9842	546.0624	198504.8	5021.448	534026.5	491.2597	956.8990
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgae	-550.332	972.4253	1841.211	494.6857	1265.582	Q1219.190	Q1272.780
SDev	88.163	2.2767	9.869	10.7522	8.869	329.830	180.376
%RSD	16.01987	.2341294	.5359791	2.173532	.7007607	27.05318	14.17182
#1	-487.992	974.0352	1834.233	502.2886	1259.311	Q1452.415	1145.235
#2	-612.672	970.8154	1848.189	487.0828	1271.853	985.9653	Q1400.325
Elem	Tl1908						
Units	ug/L						
Avgae	1273.367						
SDev	153.832						
%RSD	12.08071						
#1	1382.142						
#2	1164.591						

F DATA CHEM
LABORATORIES

Method: EPACLP Sample Name: CRIF ~~test jobs/27/92~~ Operator: RRB

Run Time: 05/20/92 22:31:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Bb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avgae	511.6806	173.5889	423.4480	9.597753	13.97333	10810.07	15.59167
SDev	7.5495	7.0732	1.0415	.004269	.04888	11.38	2.16314
%RSD	1.475428	4.074707	.2459463	.0444753	.3498060	.1053042	13.87367
#1	517.0189	168.5873	424.1844	9.594735	13.93877	10802.02	17.12123
#2	506.3424	178.5904	422.7115	9.600772	14.00789	10818.12	14.06210
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avgae	101.1341	67.18254	294.7703	46.14088	10907.96	27.85347	82.85273
SDev	2.0406	2.11401	10.6883	17.92902	28.56	.00123	11.51368
%RSD	2.017673	3.146666	3.625990	38.85712	.2618632	.0044112	13.89656
#1	99.69119	68.67738	302.3281	58.81861	10887.76	27.85434	74.71133
#2	102.5770	65.68771	287.2125	33.46315	10928.16	27.85260	90.99413
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avgae	10450.69	23.16723	10599.67	111.2220	60.13036	59.67036	106.2392
SDev	502.24	.99503	32.99	2.7104	.03021	61.24694	60.1136
%RSD	4.805779	4.294983	.3112319	2.436890	.0502468	102.6422	56.58325

~~(*) FOR INTERNAL USE ONLY~~ Job
5/27/92

Digitized by srujanika@gmail.com

七四：无攸利。无咎，无攸利。

“TODAY I FOUND

OpenTablets.org

model CONC Court "Factories" to
"Commodities".

样本	EL1 em	Units	Avg/ug	SD/ug	NRSD	199.6280	199.6280	SD/ug	NRSD	样本2	EL1 em	Units	Avg/ug	SD/ug	NRSD	199.5143	199.5143	SD/ug	NRSD		
样1	10095.56	22.45364	10623.00	113.1385	60.15172	102.9785	62.73247	10805.83	23.87092	10576.25	109.3055	60.10899	16.36222	148.7459	10095.56	22.45364	10623.00	113.1385	60.15172	102.9785	62.73247
样2	111908	ug/L	199	6280	SD/ug	1608	1608	0.0905431	0.0905431	1199	5143	199	7417	SD/ug	1417	1417	0.0905431	0.0905431	1199	5143	199
样3	111908	ug/L	199	6280	SD/ug	1608	1608	0.0905431	0.0905431	1199	5143	199	7417	SD/ug	1417	1417	0.0905431	0.0905431	1199	5143	199
样4	111908	ug/L	199	6280	SD/ug	1608	1608	0.0905431	0.0905431	1199	5143	199	7417	SD/ug	1417	1417	0.0905431	0.0905431	1199	5143	199

T DATAGHEN LABORATORIES

Element	A13082	SB2068	Ba4934	Re3130	CD2788	Ca3158	Ca2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
#1	10.6402	41.45123	"7544312	"7547831	-2.19383	-12.0746	-6.12224
#2	55.11138	16.96288	141.4214	0.0000279	1.52507	.9487	2.16537
#1	-26.8306	46.54711	0.000000	"7547830	-1.11544	-12.7454	-7.65339
#2	-11.7830	36.65035	1.472862	"7547833	-3.27222	-11.4037	-4.59109
Element	Ca2286	Ca3247	Fe2599	Pb2203	Mg2790	Mg2576	Mg2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
#1	-7.21268	11.95544	5.041614	-0.021967	-8.09909	-5.34043	-39.3503
#2	-7.22641	5.974651	5.040528	-16.9794	32.35553	-4.00620	-4.07686
Element	K7664	Ag3280	Na5889	V2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
#1	-578.947	.0093189	-4.18684	-1.91760	.0454055	37.78576	21.25252
#2	14.72879	2.0653223	1.97369	-1.00013	2.128770	4.19268	60.11205
Element	Ag3280	Na5889	V2924	Zn2138	As1936	Se1960	Ge1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
#1	-518.651	-1.45108	-2.79122	-1.91750	-1.45986	40.75044	63.75816
#2	-639.244	1.469723	-5.68245	-1.91769	1.550673	34.82109	-21.25311
Element	Ag3280	Na5889	V2924	Zn2138	As1936	Se1960	Ge1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
#1	SD6V	90.955	1.91760	.0069102	4689.352	11.09594	282.8467
#2	XRSID	64.26112	-1.91769	1.550673	34.82109	-21.25311	-205.956
Element	Ag3280	Na5889	V2924	Zn2138	As1936	Se1960	Ge1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
#1	SD6V	90.955	-1.91769	-1.45986	40.75044	63.75816	-205.956
#2	XRSID	64.26112	1.550673	34.82109	-21.25311	-205.956	-205.956

Run Time: 05/20/92 22:34:41
Grommet: CONC Duct, Fachtote 1
Model:

#	Sample Name	File	Method	Date	Time	Op ID	Type	Mode
1	ICV2	ICPDATA	EPACLP	05/22/92	17:41	RRB	Q	CONC
2	ICB2	ICPDATA	EPACLP	05/22/92	17:45	RRB	Q	CONC
3	CCV\5 job	ICPDATA	EPACLP	05/22/92	17:47	RRB	Q	CONC
4	CCB\5 job	ICPDATA	EPACLP	05/22/92	17:48	RRB	Q	CONC
5	ICSAI2	ICPDATA	EPACLP	05/22/92	17:55	RRB	Q	CONC
6	ICSAIB2	ICPDATA	EPACLP	05/22/92	18:01	RRB	Q	CONC
7	CRII2	ICPDATA	EPACLP	05/22/92	18:08	RRB	Q	CONC
8	PBS	ICPDATA	EPACLP	05/22/92	18:13	RRB	Q	CONC
9	LCSS	ICPDATA	EPACLP	05/22/92	18:17	RRB	Q	CONC
10	MERA01	ICPDATA	EPACLP	05/22/92	19:00	RRB	S	CONC
11	MERA02	ICPDATA	EPACLP	05/22/92	19:06	RRB	S	CONC
12	MERA02D	ICPDATA	EPACLP	05/22/92	19:16	RRB	S	CONC
13	MERA02L	ICPDATA	EPACLP	05/22/92	19:22	RRB	S	CONC
14	CCV\6 job 5/22/92	ICPDATA	EPACLP	05/22/92	19:24	RRB	Q	CONC
15	CCB\6 job 5/22/92	ICPDATA	EPACLP	05/22/92	19:26	RRB	Q	CONC
16	MERA02S	ICPDATA	EPACLP	05/22/92	19:30	RRB	S	CONC
17	MERA03 RRB 05/22/92	ICPDATA	EPACLP	05/22/92	19:45	RRB	S	CONC
18	MERA04	ICPDATA	EPACLP	05/22/92	19:51	RRB	S	CONC
19	MERA05	ICPDATA	EPACLP	05/22/92	19:55	RRB	S	CONC
20	MERA06	ICPDATA	EPACLP	05/22/92	20:05	RRB	S	CONC
21	MERA07	ICPDATA	EPACLP	05/22/92	20:09	RRB	S	CONC
22	MERA08	ICPDATA	EPACLP	05/22/92	20:13	RRB	S	CONC
23	MERA09	ICPDATA	EPACLP	05/22/92	20:21	RRB	S	CONC
24	CCV\7 job 5/22/92	ICPDATA	EPACLP	05/22/92	20:22	RRB	Q	CONC
25	CCB\7 job 5/22/92	ICPDATA	EPACLP	05/22/92	20:24	RRB	Q	CONC
26	MERA10	ICPDATA	EPACLP	05/22/92	20:28	RRB	S	CONC
27	MERA11	ICPDATA	EPACLP	05/22/92	20:33	RRB	S	CONC
28	ICSAF2 job 5/22/92	ICPDATA	EPACLP	05/22/92	20:42	RRB	Q	CONC
29	ICSAFB2	ICPDATA	EPACLP	05/22/92	20:46	RRB	Q	CONC
30	CRIF2	ICPDATA	EPACLP	05/22/92	20:51	RRB	Q	CONC
31	CCV\8 job 5/22/92	ICPDATA	EPACLP	05/22/92	20:53	RRB	Q	CONC
32	CCB\8 job 5/22/92	ICPDATA	EPACLP	05/22/92	20:55	RRB	Q	CONC

DATA CHEM
LABORATORIES

#	Sample Name	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158
1	ICV2	2010.4	989.35	2108.9	492.78	514.33	51774.
2	ICB2	-7.9982	7.5879	2.7749	.00284	2.8948	10.449
3	CCV15 <i>6ab 5/27/92</i>	24964.	5058.7	5022.5	5050.0	5095.1	25381.
4	CCB15 <i>6ab 5/27/92</i>	-2.9792	-4.5508	3.4686	.00284	.93821	1.2293
5	ICSA12	518140.	-58.710	12.487	-2.6300	3.7156	486380.
6	ICSAB12	520390.	518.23	477.28	478.49	906.38	491830.
7	CRII2	505.08	140.83	409.30	10.316	12.646	10340.
8	PBS	39.294	-31.984	.69372	.01137	.94521	-.61466
9	LCSS	1634.8	852.65	26.361	96.350	231.46	904070.
10	MERA01	57321.	32.995	267.78	2.4458	2.9443	22259.
11	MERA02	45739.	-16.869	306.63	1.1742	3.8316	3459.3
12	MERA02D	48906.	1.7429	446.76	1.1499	8.5419	5368.4
13	MERA02L	9078.5	1.7334	61.048	-.02071	6.6015	690.26
14	CCV16 <i>6ab 5/27/92</i>	24897.	4970.3	5023.2	5042.8	4999.8	25279.
15	CCB16 <i>6ab 5/27/92</i>	-1.8721	2.9393	2.7749	.01137	1.9384	5.5319
16	MERA02S	52006.	113.39	2419.7	54.015	53.736	5124.4
17	MERA03 <i>MERA03 RRB 05/27/92</i>	41287.	33.915	688.17	1.1697	-.5387	22336.
18	MERA04	17309.	28.762	70.760	-.04959	-.7.6788	22956.
19	MERA05	1720.4	55.376	198.40	-.1.3261	-.8.2812	880950.
20	MERA06	2223.9	-15.705	87.409	-.2.0119	2.9605	566900.
21	MERA07	5922.5	-13.354	152.62	-.1.3329	4.0852	598870.
22	MERA08	30369.	-10.951	164.41	-.1.1668	4.2364	246600.
23	MERA09	22930.	6.8269	120.71	.56978	3.1098	232820.
24	CCV17 <i>7ab 5/27/92</i>	25316.	5071.0	5100.2	5114.7	5089.1	25791.
25	CCB17 <i>7ab 5/27/92</i>	9.1710	-39.183	2.7749	.01137	1.9029	25.201
26	MERA10	48608.	49.088	256.68	-.14097	8.2034	325010.
27	MERA11 <i>6ab 5/27/92</i>	53826.	-4.9995	157.47	-.21383	7.0683	713440.
28	ICSAF2	534060.	8.9023	12.487	-.2.6230	.77380	503330.
29	ICSAB2	521130.	508.66	475.89	486.34	900.30	490550.
30	CRII2	525.10	165.58	413.46	11.619	8.6650	10387.
31	CCV18 <i>7ab 5/27/92</i>	25021.	4981.2	5068.3	5081.4	4990.5	25329.
32	CCB18 <i>7ab 5/27/92</i>	19.143	16.470	2.7749	.00568	-.2.9773	17.825

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790
1	ICV2	527.97	519.13	535.40	2101.2	5168.9	26304.
2	ICB2	4.2857	-5.3374	10.761	3.5047	-15.455	11.431
3	CCV15 <i>6ab 5/27/92</i>	5072.1	5095.2	5030.9	25446.	5045.3	25057.
4	CCB15 <i>6ab 5/27/92</i>	-1.4268	-1.3315	16.148	7.0130	-11.555	-11.454
5	ICSA12	17.612	1.5592	30.347	186990.	24.901	500390.
6	ICSAB12	495.79	450.01	518.60	188330.	4554.4	505130.
7	CRII2	25.974	105.17	57.837	267.63	61.418	10416.
8	PBS	5.7168	-1.3339	9.4186	12.854	-23.181	3.8257
9	LCSS	510.45	731.67	33963.	107100.	1134.7	583340.
10	MERA01	43299.	122.70	415.49	80042.	1942.2	612580.
11	MERA02	113.42	64.216	113.67	147550.	114.31	12874.
12	MERA02D	113.19	69.965	136.74	141620.	123.87	13078.
13	MERA02L	27.836	9.8921	38.065	29743.	26.738	2557.2
14	CCV16 <i>6ab 5/27/92</i>	5053.5	5057.9	5018.8	25337.	5048.8	24954.
15	CCB16 <i>6ab 5/27/92</i>	8.5734	.00349	13.458	18.697	-3.5383	3.8140
16	MERA02S	323.01	604.21	395.88	156000.	632.33	13215.
17	MERA03 <i>MERA03 RRB 05/27/92</i>	407.86	56.341	96.104	107810.	204.50	8946.6

#	Sample Name	CF-2677	CF-2286	CF-247	FE-2599	Pb-2003	Mg-2790
18	MERA04	5433.0	27.779	407.02	63918.	12.308	192430.
19	MERA05	71.857	-2.7435	17.457	1093.9	-3.7875	22300.
20	MERA06	98.826	-1.10997	17.443	1529.9	7.6684	16249.
21	MERA07	155.08	15.445	19.938	7491.5	6.8327	13016.
22	MERA08	3705.6	9.5269	35.815	15739.	70.223	83979.
23	MERA09	2157.3	4.6696	33.540	9186.7	54.541	56472.
24	COCVA	5132.0	51.51.1	5122.4	25753.	5145.7	25687.
25	COCVA	1.4337	-1.3409	12.106	17.531	-15.434	11.399
26	MERA10	4785.8	15.935	58.576	13639.	293.48	172220.
27	MERA11	11090.	14.936	58.726	19122.	96.121	141500.
28	ICSAF2	15.364	1.1860	19.411	192360.	-110.035	522650.
29	ICSAF2	491.50	451.37	518.62	187860.	45553.4	509640.
30	CRIF2	24.548	105.118	61.874	294.51	69.100	10542.
31	COCVA	5067.8	5083.2	5074.0	25430.	5041.3	25290.
32	COCVA	4.2870	-2.6688	9.4372	19.867	3.8201	3.7788

#	Sample Name	NI-2316	K-7664	Ag-2280	Nd-5889	V-2924
1	ICV2	519.51	532.68	52811.	524.11	531.57
2	ICB2	-0.00036	23.456	429.66	9.4161	-1.8052
3	COCVA	5084.0	5032.8	25166.	1011.8	24934.
4	COCVA	1.2438	-2.4708	10.503	.69414	-1.8045
5	ICSAF2	24.688	9.8797	89.274	-2.6150	1747.1
6	ICSAF2	468.70	885.76	29.121	911.83	1770.0
7	CRIF2	31.537	90.238	10341.	21.496	10287.
8	PBS	90.238	10341.	21.496	100.98	463.17
9	LCS5	-0.00145	2.4683	-93.570	-1.3655	28.813
10	MERA01	5948.0	2314.11	439.21	104.29	205.08
11	MERA02	2324.6	122.30	5423.3	4.0418	141.81
12	MERA02D	2774.0	107.49	7023.0	3.8536	199.43
13	MERA02L	463.30	35.818	1152.4	97071	101.23
14	COCVA	463.30	35.818	1152.4	90.225	13.1585
15	COCVA	62100	-12.348	44.398	-69357	4.8964
16	MERA02S	5535.6	126.00	6556.6	2.1619	170.81
17	MERA03	1007.7	2691.8	1865.7	1.3545	31.490
18	MERA04	5535.6	126.00	6556.6	2.1619	620.19
19	MERA05	1007.7	2691.8	1865.7	1.3545	88.6555
20	MERA06	5535.6	126.00	6556.6	2.1619	170.81
21	MERA07	5535.6	126.00	6556.6	2.1619	31.490
22	MERA08	5535.6	126.00	6556.6	2.1619	620.19
23	MERA09	5535.6	126.00	6556.6	2.1619	88.6555
24	MERA07	5535.6	126.00	6556.6	2.1619	170.81
25	MERA08	5535.6	126.00	6556.6	2.1619	31.490
26	MERA09	5535.6	126.00	6556.6	2.1619	620.19
27	MERA10	5535.6	126.00	6556.6	2.1619	88.6555
28	ICSAF2	519.51	532.68	52811.	524.11	531.57
29	ICSAF2	4.2870	-2.6688	9.4372	19.867	3.8201
30	CRIF2	24.548	105.118	61.874	294.51	69.100
31	COCVA	5067.8	5083.2	5074.0	25430.	5041.3
32	COCVA	4.2870	-2.6688	9.4372	19.867	3.8201

#	Sample Name	Zn2138	As1936	Se1960	Tl11908
1	ICV2	3051.4	38.747	6.3995	10.562
2	ICB2	13.862	66.451	-138.02	92.843
3	CCVA5 <i>lab 5/27/92</i>	5112.2	5062.5	5116.3	5068.3
4	CCB5 <i>lab 5/27/92</i>	15.328	55.805	-98.585	92.780
5	ICSAI2	205.60	-19.795	155.81	174.51
6	ICSAIB2	1176.2	1012.3	01200.7	1208.3
7	CRII2	51.193	120.95	13.123	87.156
8	PBS	6.9485	47.609	6.5763	-92.994
9	LOSS	847.62	4723.0	186.21	0674.44
10	MERA01	12405.	31.568	-66.203	429.28
11	MERA02	386.53	L-189.48	L-128.65	333.62
12	MERA02D	345.44	L-122.64	-42.823	335.27
13	MERA02L	83.619	46.115	97.818	-15.749
14	CCVA6 <i>lab 5/27/92</i>	5032.6	5040.0	5092.0	5302.2
15	CCB8 <i>lab 5/27/92</i>	13.969	34.605	85.442	127.42
16	MERA02S	868.94	1760.8	2112.3	135.95
17	MERA03 <i>RR305/22/92</i>	478.73	L-105.80	4.1874	144.96
18	MERA04	92.364	-43.240	24.531	189.56
19	MERA05	54.252	-22.120	26.325	87.720
20	MERA06	22.063	22.639	-59.115	.63771
21	MERA07	159.41	24.881	-19.736	51.164
22	MERA08	360.65	84.529	92.836	208.05
23	MERA09	315.58	63.594	-32.130	-73.715
24	CCVA7 <i>lab 5/27/92</i>	5111.5	5163.5	5164.2	5203.0
25	CCB57 <i>lab 5/27/92</i>	8.2810	69.029	-52.576	34.611
26	MERA10 <i>lab 5/27/92</i>	577.90	123.81	67.297	110.79
27	MERA11 <i>lab 5/27/92</i>	1688.7	149.89	48.042	240.62
28	ICSAF2	211.89	157.64	103.80	101.46
29	ICSAIB2	1183.2	1043.7	1102.2	1029.5
30	CRIF2	47.008	141.89	131.42	156.30
31	CCVA8 <i>lab 5/27/92</i>	5061.6	5030.1	5105.1	5103.4
32	CCB8 <i>lab 5/27/92</i>	9.7211	50.304	-39.433	-46.679

DATA CHEM
LABORATORIES

Ron R Bone 05/22/92

Vax# 92-400

Fri 05-22-92 05:32:28 PM

page 1

Method: EPACLP Standard: SO

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Avg	-.01330	.00160	.00000	.00140	.00000	-.12220	.00000
SDev	.00042	.00028	.00000	.00000	.00000	.00028	.00000
%RSD	3.1900	17.678	.00000	.00000	.00000	.23146	.00000

#1	-.01360	.00180	.00000	.00140	.00000	-.12240	.00000
#2	-.01300	.00140	.00000	.00140	.00000	-.12200	.00000

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Avg	.00000	.00070	.00030	.00080	.00060	.00020	-.00120
SDev	.00028	.00014	.00014	.00085	.00057	.00000	.00057
%RSD	.00000	20.203	47.140	106.07	94.281	.00000	47.140

#1	.00020	.00060	.00040	.00140	.00100	.00020	-.00080
#2	-.00020	.00080	.00020	.00020	.00020	.00020	-.00160

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Avg	-.00082	-.00180	-.00845	.00000	.00000	-.00260	.00020
SDev	.00118	.00028	.00064	.00000	.00000	.00028	.00057
%RSD	144.66	15.713	7.5313	.00000	.00000	10.879	282.84

#1	.00002	-.00160	-.00800	.00000	.00000	-.00240	-.00020
#2	-.00166	-.00200	-.00890	.00000	.00000	-.00280	.00060

Elem	Tl1906
Avg	-.00090
SDev	.00014
%RSD	15.713

**DATACHEM
LABORATORIES**

#1	-.00100
#2	-.00080

Method: EPACLP Standard: Si

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Avg	4.9868	.66600	1.4415	1.5313	1.0216	8.0124	.70070
SDev	.0317	.00537	.0117	.0078	.0014	.0107	.00382
%RSD	.63525	.80691	.81429	.50795	.13844	.13415	.54494

#1	5.0092	.66980	1.4498	1.5368	1.0226	8.0200	.70340
#2	4.9644	.66220	1.4332	1.5258	1.0206	8.0048	.69800

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Avg	.75130	.74410	4.2787	.25890	1.3112	1.6080	.80790
SDev	.00297	.00495	.0177	.00071	.0102	.0057	.00240
%RSD	.39530	.66520	.41316	.27312	.77657	.35180	.29758

#1	.75340	.74760	4.2912	.25940	1.3184	1.6120	.80960
#2	.74920	.74060	4.2662	.25840	1.3040	1.6040	.80620

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Avg	.32648	.28640	13.267	.55490	.72070	.40210	.15240
SDev	.00103	.00055	.124	.00269	.00184	.00042	.00028
%RSD	.31676	.29627	.93434	.48424	.25510	.10551	.18560

#1	.32721	.28700	13.354	.55680	.72200	.40180	.15220
#2	.32574	.28580	13.179	.55300	.71940	.40240	.15260

Elem T11908
 Avg .09220
 SDev .00113
 %RSD 1.2271

#1	.09140
#2	.09300

Method: EPACLP_ Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date	Standardized
Al3082	308.215	S1	S0	10040.3	133.536	05/22/92	05:34:50
Sb2068	206.838	S1	S0	15203.5	-24.3256	05/22/92	05:34:50
Ba4934	493.409	S1	S0	6937.22	.000000	05/22/92	05:34:50
Be3130	313.042	S1	S0	6546.67	-9.16534	05/22/92	05:34:50
Cd2288	228.802	S1	S0	9825.87	.000000	05/22/92	05:34:50
Ca3158	315.887	S1	S0	6146.58	751.113	05/22/92	05:34:50
Cr2677	267.716	S1	S0	14279.7	.000000	05/22/92	05:34:50
Co2286	228.616	S1	S0	13320.1	.000000	05/22/92	05:34:50
Cu3247	324.754	S1	S0	13456.4	-9.41951	05/22/92	05:34:50
Fe2599	259.940	S1	S0	11687.4	-3.50623	05/22/92	05:34:50
Pb2203	220.353	S1	S0	38563.9	-30.8511	05/22/92	05:34:50
Mg2790	279.077	S1	S0	38199.1	-22.9195	05/22/92	05:34:50
Mn2576	257.610	S1	S0	6218.67	-1.24373	05/22/92	05:34:50
Ni2316	231.604	S1	S0	12347.7	14.8173	05/22/92	05:34:50
K_7664	766.491	S1	S0	152768.	125.079	05/22/92	05:34:50
Ag3280	328.068	S1	S0	6776.13	12.1970	05/22/92	05:34:50
Na5889	588.995	S1	S0	3766.45	31.8265	05/22/92	05:34:50
V_2924	292.402	S1	S0	18041.0	.000000	05/22/92	05:34:50
Zn2138	213.856	S1	S0	13968.5	.000000	05/22/92	05:34:50
As1936	193.696	S1	S0	26561.5	69.0599	05/22/92	05:34:50
Se1960	196.026	S1	S0	65723.3	-13.1447	05/22/92	05:34:50
T11908	190.801	S1	S0	116057.	104.451	05/22/92	05:34:50

Method: EPACLP_

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	S0	.000000	.000004	-.000004
		S1	50000.0	50202.4	-202.395

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	S0	.000000	-.000001	.000001
		S1	10000.0	10101.2	-101.199

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	S0	.000000	.000000	.000000
		S1	10000.0	10000.0	.000000

DATACHEM
 LABORATORIES

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba3130	313.042	S0 S1	.000000 10000.0	.000000 10015.8	-.000000 -15.7500
Element Cd2288	228.802	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10038.1	.000000 -38.1094
Element Ca3158	315.887	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 50000.0	.000002 50000.0	-.000002 .000000
Element Cr2677	267.716	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10005.8	.000000 -5.79004
Element Co2286	228.616	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10007.4	.000000 -7.38965
Element Cu3247	324.754	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10003.5	-.000000 -3.51465
Element Fe2599	259.940	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 50000.0	-.000000 50003.5	.000000 -3.54297
Element Pb2203	220.353	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 9953.35	-.000000 46.6504
Element Mg2790	279.079	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 50000.0	.000000 50063.8	-.000000 -63.7500
Element Mn2576	257.610	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	-.000000 9998.38	.000000 1.61914
Element Ni2316	231.604	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	-.000000 9990.54	.000000 9.45996
			Known	Measured	Residual

Element K_7664	Wavelength 766.491	Standard S0 S1	Concentration .000000 50000.0	Concentration .000003 50000.0	Concentration .000003 .000000
Element Ag3280	Wavelength 328.068	Standard S0 S1	Known Concentration .000000 2000.00	Measured Concentration .000000 1952.88	Residual Concentration .000000 47.1200
Element Na5889	Wavelength 588.995	Standard S0 S1	Known Concentration .000000 50000.0	Measured Concentration .000001 50000.0	Residual Concentration .000001 .000000
Element V_2924	Wavelength 292.402	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration .000000 10011.0	Residual Concentration .000000 -10.9707
Element Zn2138	Wavelength 213.856	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration .000000 10067.1	Residual Concentration .000000 -67.0850
Element As1936	Wavelength 193.696	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration .000003 10749.4	Residual Concentration .000003 -749.440
Element Se1960	Wavelength 196.026	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration .000000 10003.1	Residual Concentration .000000 -3.08008
Element Tl1908	Wavelength 190.801	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration .000001 10804.9	Residual Concentration .000001 -804.910

Method: EPACLP Sample Name: ICV2 Operator: RRB
 Run Time: 05/22/92 17:41:16
 Comment:
 Mode: CONC Corr. Factor: 1

**DATACHEM
LABORATORIES**

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	2010.364	989.3523	2108.914	492.7817	514.3320	51773.91	527.9722
SDev	11.408	64.5153	1.962	.0040	15.2523	62.58	2.0192
%RSD	.5674536	6.520967	.0930409	.0008145	2.965457	.1208803	.3824458
#1	2018.430	943.7331	2107.527	492.7845	503.5471	51729.65	526.5444
#2	2002.297	1034.972	2110.302	492.7788	525.1171	51818.16	529.4000
Errors	QC Pass						
Value	2056.000	1024.000	2078.000	508.0000	516.0000	51382.00	514.0000
Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	519.1296	535.3970	2101.215	5168.854	26303.95	519.5103	532.6779
SDev	3.7764	1.8987	1.652	65.424	10.99	.0008	22.6974
%RSD	.7274569	.3546278	.0786261	1.265734	.0417986	.0001578	4.261003

#1	521.7999	534.0544	2100.047	5122.592	26311.72	519.5096	516.6284
#2	516.4592	536.7395	2102.383	5215.115	26296.17	519.5108	548.7274

Errors	QC Pass						
Value	499.0000	525.0000	2147.000	5203.000	25587.00	509.0000	504.0000
Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	52810.93	524.1074	53250.26	531.5665	3051.405	38.74734	6.399476
SDev	507.71	.0289	135.29	2.5485	1.896	41.32233	27.88554
%RSD	.9613748	.0055090	.2540737	.4794242	.0621364	106.6456	435.7472

#1	52451.92	524.0870	53154.59	529.7645	3050.064	9.528038	26.11753
#2	53169.93	524.1279	53345.93	533.3686	3052.745	67.96664	-13.3186

Errors	QC Pass	NOCHECK	NOCHECK				
Value	50563.00	517.0000	52348.00	517.0000	3052.000		
Range	10.00000	10.00000	10.00000	10.00000	10.00000		

Elem	Tl1908
Units	ug/L
Avg	10.56211
SDev	147.7280
%RSD	1398.660

#1	115.0216
#2	-93.8974

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: ICB2 Operator: RRB

Run Time: 05/22/92 17:45:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	-7.99818	7.587869	2.774887	.0028413	2.894787	10.44917	4.285679
SDev	15.57046	15.01754	.0000000	.0040179	1.368580	9.56184	2.017829
%RSD	194.6750	197.9151	.0000000	141.4078	47.27741	91.50817	47.08306

#1	-19.0082	-3.03113	2.774887	.0056824	3.862519	3.687924	2.858859
#2	3.011798	18.20687	2.774887	.0000003	1.927055	17.21041	5.712500

Errors	QC Pass						
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000

Range	200.0000	60.00000	200.0000	5.000000	5.000000	5000.000	10.00000
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-5.33741	10.76055	3.504713	-15.4549	11.43089	-0.000366	23.45562
SDev	3.77225	1.90069	.000715	54.5550	5.37449	.000192	12.22005
%RSD	70.67562	17.66349	.0204005	352.9939	47.01723	52.33107	52.09861
#1	-8.00479	12.10453	3.505219	0-54.0312	7.630552	-0.000502	32.09650
#2	-2.67003	9.416556	3.504208	23.12127	15.23122	-0.000231	14.81474
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000
Range	50.00000	25.00000	100.0000	30.00000	5000.000	15.00000	40.00000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	429.6599	,0213713	9.416123	-1.80521	13.86196	66.45129	-138.019
SDev	205.2442	1.917002	2.396954	2.54909	,04505	26.43491	27.884
%RSD	47.76899	8969.978	25.45585	141.2074	,3250042	39.78088	20.20298
#1	284.5303	1.376896	11.11103	-3.60770	13.83010	85.14359	-157.736
#2	574.7894	-1.33415	7.721221	-0.002732	13.89382	47.75898	-118.302
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	,0000000	,0000000	,0000000	,0000000	,0000000		
Range	5000.000	10.00000	5000.000	50.00000	20.00000		
Elem	Tl1908						
Units	ug/L						
Avge	92.84257						
SDev	49.27540						
%RSD	53.07415						
#1	127.6855						
#2	57.99960						
Errors	NOCHECK						
Value							
Range							

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: COV\5 Job
Run Time: 05/22/92 17:47:01 Operator: RRB
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	24964.28	5058.685	5022.546	5050.001	5095.115	25381.09	5072.086
SDev	162.14	6.420	35.319	40.645	23.499	143.43	16.116
%RSD	.6494830	,1269016	,7032039	,8048480	,4611971	,5650926	,3177464
#1	24849.63	5054.145	4997.572	5021.261	5078.499	25279.67	5060.690
#2	25078.93	5063.224	5047.560	5078.741	5111.731	25482.51	5083.482
Errors	QC Pass						

Value	25000.00	5000.000	5000.000	5000.000	5000.000	25000.00	5000.000
Range	10,00000	10,00000	10,00000	10,00000	10,00000	10,00000	10,00000
ELEM	Cd2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	5095.194	5030.929	25446.43	5045.269	25056.67	5083.973	5032.811
SDev	37.634	28.526	90.90	76.138	118.67	29.910	87.347
%RSD	.7386263	.5670049	.3572230	.1.509089	.4735846	.5883221	.1.735558
#1	5068.583	5010.758	25382.16	5099.106	24972.96	5062.823	4971.048
#2	5121.806	5051.100	25510.71	4991.431	25140.78	5105.122	5094.576
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5000.000	5000.000	25000.00	5000.000	25000.00	5000.000	5000.000
Range	10,00000	10,00000	10,00000	10,00000	10,00000	10,00000	10,00000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	25166.13	1011.765	24933.71	5051.325	5112.191	5062.468	5118.264
SDev	88.44	6.000	154.47	58.666	35.182	2.653	46.457
%RSD	.3514389	.5930025	.6195270	.1.161392	.6882051	.0523991	.9076654
#1	25228.67	1007.522	24824.48	5009.842	5067.314	5064.343	5085.414
#2	25103.59	1016.007	25042.94	5092.808	5137.069	5060.592	5151.114
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25000.00	1000.000	25000.00	5000.000	5000.000	5000.000	5000.000
Range	10,00000	10,00000	10,00000	10,00000	10,00000	10,00000	10,00000
ELEM	Tl1908						
UNITS	ug/L						
Avg	5068.315						
SDev	113.214						
%RSD	2.233755						
#1	4988.261						
#2	5148.370						
Errors	QC Pass						
Value	5000.000						
Range	10,00000						
DATACHEM LABORATORIES							
Method:	EPACLP	Sample Name:	CCB	5/27/92			Operator: RRB
Run Time:	05/22/92	17:48:45					
Comment:							
Mode:	CONC	Corr.	Factor:	1			
ELEM	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.97923	-4.55081	3.468609	.0028420	.9382179	1.229317	-1.42678
SDev	2.89048	15.04264	.981071	.0040189	1.374539	5.215540	2.01755
%RSD	97.02105	330.5483	28.28427	141.4078	146.5053	424.2632	141.4055
#1	-5.02311	6.085937	4.162331	.0000003	-.033728	-2.45863	-.000160
#2	-.935353	-15.1876	2.774887	.0056838	1.910163	4.917261	-.2.85341

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	200.0000	60.00000	200.0000	5.000000	5.000000	5000.000	10.00000
Elem	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	-1.33154	16.14797	7.012970	-11.5548	-11.4543	1.243841	-2.47081
SDev	1.88545	5.70826	4.957846	38.1846	5.4337	1.759422	3.49068
%RSD	141.5993	35.34967	70.69538	330.4647	47.43813	141.4507	141.2770
#1	-2.66475	20.18432	10.51870	0-38.5554	-7.61210	2.467940	-.002523
#2	.0016758	12.11163	3.507244	15.44578	-15.2965	-.000258	-4.93909
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	50.00000	25.00000	100.0000	30.00000	5000.000	15.00000	40.00000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	10.50279	.6941441	-3.01316	-1.80452	15.32799	55.80470	-98.5847
SDev	203.8939	.9554227	4.52758	2.55134	2.00321	18.83215	65.0639
%RSD	1941.330	137.6404	150.2601	141.3859	13.06896	33.74652	65.99802
#1	154.6775	.0185582	-6.21444	-.000453	13.91151	42.48837	-144.592
#2	-133.672	1.369730	.1883213	-3.60860	16.74448	69.12104	-52.5775
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	.0000000	.0000000	.0000000	.0000000	.0000000		
Range	5000.000	10.00000	5000.000	50.00000	20.00000		
Elem	Tl1908						
Units	ug/L						
Avgc	92.77994						
SDev	16.35348						
%RSD	17.62610						

**DATACHEM
LABORATORIES**

Errors NOCHECK
Value
Range .

Method: EPACLP Sample Name: ICSAI2 Operator: RRB

Run Time: 05/22/92 17:55:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	518141.8	-58.7097	12.48699	-2.63003	3.715560	486377.3	17.61233
SDev	6572.8	44.9342	.00000	.00439	4.082110	5032.2	2.17198
%RSD	1.268537	76.53619	.0000000	.1670470	109.8653	1.034623	12.33214
#1	513494.1	0-90.4830	12.48699	-2.63314	06.602048	482819.1	16.07651
#2	522789.5	-26.9365	12.48699	-2.62692	.8290730	489935.6	19.14815

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	540055.0	,0000000	,0000000	,0000000	,0000000	494040.0	,0000000
Range	108011.0	60.00000	200.0000	5.000000	5.000000	98808.00	31.00000
ELEM	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	1.559226	30.34693	186986.2	24.90149	500393.4	24.68773	9.879650
SDev	5.744207	3.84827	1444.6	19.56291	6105.4	1.61029	20.96021
%RSD	368.4011	12.68091	.7725629	78.56122	1.220116	6.522641	212.1554
#1	5.620994	33.06806	185964.7	11.06842	496076.3	23.54908	24.70076
#2	-2.50254	27.62579	188007.7	038.73456	504710.6	25.82637	-4.94146
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	,0000000	,0000000	206236.0	,0000000	531358.0	,0000000	,0000000
Range	50.00000	40.00000	41247.20	30.00000	106271.6	49.00000	40.00000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avgc	89.27377	-2.61500	1747.068	7.215320	205.6018	-19.7947	155.8136
SDev	35.78270	,96710	8.522	2.789473	11.7294	62.9812	9.5591
%RSD	40.08199	36.98288	,4878164	38.66042	5.704934	318.1723	6.134933
#1	114.5760	-3.29885	1741.042	9.187775	197.3078	24.73975	149.0543
#2	63.97158	-1.93116	1753.094	5.242865	213.8957	-64.3291	162.5729
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000
Range	5000.000	10.00000	5000.000	50.00000	256.0000	200.0000	200.0000
ELEM	Tl1908						
Units	ug/L						
Avgc	174.5109						
SDev	404.0389						
%RSD	231.5265						
#1	-111.188						
#2	460.2095						

**DATACHEM
LABORATORIES**

Errors	QC Pass
Value	,0000000
Range	500.0000

Method: EPACLP Sample Name: ICSAB12 Operator: RRB

Run Time: 05/22/92 18:01:13

Comment:

Mode: CONC Corr. Factor: 1

ELEM	Al3082	Bb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avgc	520392.7	518.2333	477.2806	478.4867	906.3768	491833.7	495.7918
SDev	1229.5	44.9099	,0000	,0079	11.0068	1788.9	,0654
%RSD	,2362689	8.665963	,0000000	,0016416	1.214372	,3637278	,0131923
#1	519523.2	486.4772	477.2806	478.4923	898.5958	490568.7	495.7456

#2	521262.1	549.9894	477.2806	478.4812	914.1618	493098.6	495.8381
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	536472.0	500.0000	502.0000	480.0000	907.0000	512228.0	529.0000
Range	107294.4	100.0000	100.4000	96.00000	181.4000	102445.6	105.8000
Elem	Cd2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	450.0120	518.6050	188326.6	4554.440	505132.8	468.7039	885.7572
SDev	7.5859	1.8796	659.5	39.843	2214.9	3.4807	12.2165
%RSD	1.685707	.3624320	.3501830	.8748118	.4384791	.7426318	1.379215
#1	455.3760	517.2759	187860.2	4582.613	503566.6	466.2427	877.1188
#2	444.6480	519.9340	188792.9	4526.267	506698.9	471.1652	894.3956
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	477.0000	543.0000	199845.0	4724.000	527530.0	496.0000	940.0000
Range	95.40000	108.6000	39969.00	944.8000	105506.0	99.20000	188.0000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	29.12140	911.8257	1770.043	463.1675	1176.217	1012.256	Q1200.710
SDev	280.1853	2.9854	12.251	4.9959	8.039	157.585	130.157
%RSD	962.1287	.3274037	.6921410	1.078639	.6834644	15.56771	10.84002
#1	227.2423	909.7148	1761.380	459.6349	1181.901	900.8262	1108.675
#2	-169.000	913.9367	1778.706	466.7002	1170.533	1123.685	Q1292.745
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Fail
Value		960.0000		509.0000	1208.000	1000.000	1000.000
Range		192.0000		101.8000	241.6000	200.0000	200.0000
Elem	Tl11908						
Units	ug/L						
Avge	1208.271						
SDev	531.329						
%RSD	43.97434						
#1	832.5647						
#2	Q1583.978						
Errors	QC Pass						
Value	1000.000						
Range	400.0000						

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: CRII2 Operator: RRB
Run Time: 05/22/92 18:08:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	Sb206B	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	505.0773	140.8324	409.2959	10.31563	12.64577	10339.78	25.97408
SDev	5.6803	4.4815	3.9243	.00000	1.38963	73.02	8.08103
%RSD	1.124642	3.182167	.9587887	.0000261	10.98887	.7061826	31.11191

Method: EPCA-CLP Sample Name: PBS Operator: RRB Run Time: 05/22/92 1B:13:39 Comments: CONC (QTR, Factor: 1 Model: CONC (QTR, Factor: 1

DATAHEM LABORATORIES

#1	35.27777	Q-66.9741	1.387444	.0113694	1.906590	4.917261	5.717075
#2	43.31002	3.006506	.0000000	.0113714	-.016152	-.14659	5.716534
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	200.0000	60.00000	200.0000	5.000000	5.000000	5000.000	10.00000
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.33387	9.418621	12.85416	-23.1812	3.825654	-.001454	2.468284
SDev	1.87718	.003238	3.30571	43.6437	5.378394	.000044	17.46409
ZRSD	140.7322	.0343811	25.71702	188.2718	140.5876	3.033772	707.5400
#1	-2.66124	9.420911	15.19165	Q-54.0420	7.628752	-.001423	-9.88070
#2	-.006500	9.416331	10.51667	7.679543	.0225549	-.001486	14.81726
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	50.00000	25.00000	100.0000	30.00000	5000.000	15.00000	40.00000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-93.5704	-1.36555	28.81334	-7.21915	6.948497	47.60912	6.576257
SDev	216.0465	.01662	3.72860	.00090	9.933653	37.60768	27.88443
ZRSD	230.8920	1.217057	12.94052	.0124424	142.9612	78.99260	424.0168
#1	-246.338	-1.35380	26.17683	-7.21852	13.97265	74.20177	-13.1410
#2	59.19759	-1.37730	31.44986	-7.21979	-.075656	21.01647	26.29353
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	.0000000	.0000000	.0000000	.0000000	.0000000		
Range	5000.000	10.00000	5000.000	50.00000	20.00000		
Elem	Tl1908						
Units	ug/L						
Avge	-92.9937						
SDev	49.1987						
ZRSD	52.90537						
#1	-58.2050						
#2	-127.782						
Errors	NOCHECK						
Value							
Range							

**DATACHEM
LABORATORIES**

Method: EPACLP_ Sample Name: LC55 Operator: RRB
Run Time: 05/22/92 18:17:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	1634.842	852.4525	26.36143	96.35034	231.4552	904073.4	510.4501
SDev	26.772	74.8495	.00000	1.83598	4.1957	14395.8	14.5817

%RSD	1.637568	8.778433	.0000000	1.905530	1.812742	1.592323	2.856645
#1	1615.912	799.7258	26.36143	95.05210	228.4884	893894.1	500.1392
#2	1653.773	905.5790	26.36143	97.64857	234.4220	914252.8	520.7609
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1625.000	1055.000	24.00000	97.00000	227.0000	981000.0	498.0000
Range	500.0000	418.0000	200.0000	14.50000	48.50000	147000.0	102.0000
ELEM	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AvgE	731.6685	33963.26	107097.7	1134.721	5833342.2	1005.389	257.5247
SDev	9.3182	599.41	1474.3	49.056	8232.5	13.955	6.9761
%RSD	1.273560	1.764881	1.376631	4.323152	1.411270	1.387990	2.708896
#1	725.0795	33539.41	106055.2	1169.409	577521.0	995.5215	262.4576
#2	738.2574	34387.11	108140.2	1100.033	589163.6	1015.256	252.5919
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	720.0000	34550.00	112150.0	1180.000	590500.0	1040.000	304.5000
Range	95.00000	4550.000	23300.00	245.0000	88500.00	155.0000	58.50000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AvgE	439.2079	104.2884	205.0832	343.0947	847.6197	4723.045	186.2093
SDev	484.7544	2.0056	8.5225	9.9619	23.8488	4.618	120.8928
%RSD	110.3701	1.923129	4.155638	2.903530	2.813620	.0977821	64.92306
#1	781.9810	102.8703	199.0569	336.0506	830.7560	4719.779	271.6934
#2	96.43478	105.7066	211.1095	350.1388	864.4833	4726.310	100.7252
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	250.0000	111.0000	250.0000	329.0000	935.0000	4585.000	196.0000
Range	5000.000	34.00000	5000.000	70.50000	245.0000	1410.000	101.0000
ELEM	Tl1908						
Units	ug/L						
AvgE	9674.4381						
SDev	22.7179						
%RSD	3.368415						
#1	0690.5021						
#2	0658.3741						
Errors	QC Fail						
Value	195.0000						
Range	72.50000						

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: MERA01 Operator: RRB
 Run Time: 05/22/92 19:00:39
 Comment:
 Mode: CONC Corr. Factor: 1

ELEM	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
AvgE	57320.62	32.99487	267.7766	2.445816	2.944284	22259.24	43299.11

SDev	594.77	15.90593	1.9621	.007693	7.067566	246.87	422.14
%RSD	1.037616	48.20728	.7327490	.3145433	240.0436	1.109068	.9749327
#1	56900.06	44.24206	266.3892	2.451256	-2.05324	22084.68	43000.62
#2	57741.19	21.74768	269.1641	2.440376	7.941808	22433.80	43597.61
Errors	LC Pass						
High	1000000.	10000.00	10000.00	100000.0	100000.0	1000000.	200000.0
Low	-200.000	-60.0000	-200.000	-5.00000	-10.0000	-5000.00	-10.0000
ELEM	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
AvgE	122.7018	415.4907	80042.45	1942.160	612578.8	5947.964	2314.085
SDev	1.7985	7.5719	713.88	55.804	6428.5	50.020	90.806
%RSD	1.465710	1.822399	.8918762	2.873270	1.049421	.8409578	3.924060
#1	121.4301	410.1365	79537.66	1981.619	608033.1	5912.594	2249.875
#2	123.9735	420.8448	80547.24	1902.701	617124.4	5983.333	2378.294
Errors	LC Pass						
High	1000000.	200000.0	500000.0	100000.0	1000000.	100000.0	1000000.
Low	-50.0000	-25.0000	-100.000	-25.0000	-5000.00	-15.0000	-40.0000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
AvgE	1232.647	6.377653	411.8613	109.7476	12405.08	31.56848	-66.20277
SDev	64.814	1.931129	3.7286	4.8845	199.10	127.5642	18.5909
%RSD	5.258114	30.27962	.9053054	4.450698	1.605012	404.0871	28.08178
#1	1186.816	7.743168	414.4978	106.2937	12264.30	121.7700	-53.0569
#2	1278.477	5.012138	409.2248	113.2015	12545.87	-58.6330	-79.3484
Errors	LC Pass						
High	1000000.	2000.000	500000.0	100000.0	100000.0	10000.00	10000.00
Low	-5000.00	-10.0000	-5000.00	-50.0000	-20.0000	-100.000	-100.000
ELEM	Tl1908						
Units	ug/L						
AvgE	429.2805						
SDev	158.8987						
%RSD	37.01512						
#1	541.6388						
#2	316.9221						
Errors	LC Pass						
High	10000.00						
Low	-100.000						

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: MERA02 Operator: RRB
 Run Time: 05/22/92 19:06:47
 Comment:
 Mode: CONC Corr. Factor: 1

ELEM	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						

Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	48905.95	1.742887	446.7568	1.149904	8.541937	5368.427	113.1941
SDev	602.06	10.31592	5.8864	.004421	4.120876	46.940	1.9807
ZRSD	1.231062	591.8868	1.317588	.3844407	48.24288	.8743732	1.749792
#1	48480.23	-5.55157	442.5945	1.146778	11.45584	5335.235	114.5946
#2	49331.68	9.037346	450.9192	1.153030	5.628037	5401.618	111.7936
Errors	LC Pass	LC Pass					
High	1000000.	10000.00	10000.00	100000.0	100000.0	1000000.	200000.0
Low	-200.000	-60.0000	-200.000	-5.00000	-10.0000	-5000.00	-10.0000
Elem	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	69.96536	136.7401	141620.2	123.8748	13078.08	2773.974	107.4913
SDev	.10877	.0497	1563.6	17.3308	205.35	26.414	1.7463
ZRSD	.1554625	.0363440	1.104088	13.99058	1.570214	.9521941	1.624627
#1	70.04227	136.7753	140514.5	136.1295	12932.87	2755.296	108.7262
#2	69.88845	136.7050	142725.8	111.6201	13223.28	2792.651	106.2565
Errors	LC Pass	LC Pass					
High	1000000.	200000.0	500000.0	100000.0	1000000.	100000.0	1000000.
Low	-50.0000	-25.0000	-100.000	-25.0000	-5000.00	-15.0000	-40.0000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	7023.029	3.853553	199.4335	101.2257	345.4352	L-122.638	-42.8228
SDev	158.660	2.844625	5.8592	2.8068	19.5415	10.803	37.1457
ZRSD	2.259132	73.81823	2.937933	2.772775	5.657063	8.808849	86.74284
#1	7135.218	5.865006	195.2904	103.2104	331.6173	L-114.999	-69.0887
#2	6910.840	1.842100	203.5766	99.24104	359.2531	L-130.277	-16.5568
Errors	LC Pass	LC Low	LC Pass				
High	1000000.	2000.000	500000.0	100000.0	1000000.	10000.00	10000.00
Low	-5000.00	-10.0000	-5000.00	-50.0000	-20.0000	-100.000	-100.000
Elem	Tl1908						
Units	ug/L						
Avg	335.2720						
SDev	7.5741						
ZRSD	2.259098						
#1	340.6277						
#2	329.9163						
Errors	LC Pass						
High	10000.00						
Low	-100.000						

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: MERA02L

Operator: RRB

Run Time: 05/22/92 19:22:26

Comment:

Model: CONC Corr. Factor: 1

Comment#:

Run Time: 05/22/92 19:24:21

Operator: RFB

Method: EPACLP..

Sample Name: DDV\16\465/34/8

Element	A13082	SB2049	B4934	BE3130	CD2289	CD3158	CD-2677	Units
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Errors	-200.000	10000.00	10000.00	-200.000	-5.0000.0	-10.0000	-5000.00	LOW
High	100000.00	100000.00	100000.00	100000.00	100000.00	100000.00	100000.00	LOW
Low	-2000.000	2000.000	500000.00	-500000.00	-500000.00	-100000.00	100000.00	LOW
Avg	122.102	.112391	.04752	-.020720	6.601488	690.2613	27.83552	SDDEV
SDDEV	1.244958	6.482830	.0000000	.000108	.0003497	7.8223	2.02870	%RSD
Units	9078.523	1.753402	1.04752	61.04752	.020796	6.599016	695.7933	#1
#2	9164.863	1.812874	1.653929	61.04752	-.020796	6.603961	684.7994	#101
Units	8992.185	1.812874	1.653929	61.04752	-.020796	6.599016	26.40101	#2
SDDEV	1.22.102	.112391	.04752	-.020720	6.601488	690.2613	27.83552	Avg
Element	A13082	SB2049	B4934	BE3130	CD2289	CD3158	CD-2677	Element
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	High
High	100000.00	100000.00	100000.00	100000.00	100000.00	100000.00	100000.00	Low
Low	-50000.00	20000.000	500000.00	-500000.00	-500000.00	-100000.00	100000.00	Low
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	%RSD
Units	K_7664	AG3280	NA5889	V_2924	ZH2138	AS1936	SE1960	#1
#2	11.20495	38.07373	29448.83	30.73406	2538.045	457.0750	39.52082	Units
Units	8.579286	38.07373	29448.83	30.73406	2538.045	457.0750	39.52082	#2
SDDEV	18.76876	.0323773	1.400377	21.13658	1.060052	1.900175	14.62108	%RSD
Avg	9.892120	38.06502	29743.36	26.72786	2557.213	463.3000	35.81775	SDDEV
SDDEV	1.8556628	.01232	416.52	5.65147	27.108	8.80355	5.23694	Avg
Units	18.76876	.0323773	1.400377	21.13658	1.060052	1.900175	14.62108	%RSD
#2	11.20495	38.07373	29448.83	30.73406	2538.045	457.0750	39.52082	Units
Units	1000000.0	2000000.0	500000.0	1000000.0	1000000.0	1000000.0	1000000.0	Errors
High	1000000.0	1000000.0	1000000.0	1000000.0	1000000.0	1000000.0	1000000.0	Low
Low	-2000.000	10000.00	10000.00	-200.000	-5.0000.0	-10.0000	-5000.00	Low
Element	CD2286	CD3247	FE2599	PB2203	Mg2790	Mn2576	NI2316	Element
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	High
High	1000000.0	1000000.0	1000000.0	1000000.0	1000000.0	1000000.0	1000000.0	Low
Low	-2000.000	10000.00	10000.00	-200.000	-5.0000.0	-10.0000	-5000.00	Low
Avg	9.892120	38.06502	29743.36	26.72786	2557.213	463.3000	35.81775	SDDEV
SDDEV	1.8556628	.01232	416.52	5.65147	27.108	8.80355	5.23694	%RSD
Units	18.76876	.0323773	1.400377	21.13658	1.060052	1.900175	14.62108	#1
#2	11.20495	38.07373	29448.83	30.73406	2538.045	457.0750	39.52082	Units
Units	8.579286	38.07373	29448.83	30.73406	2538.045	457.0750	39.52082	#2
SDDEV	18.76876	.0323773	1.400377	21.13658	1.060052	1.900175	14.62108	Avg
Avg	9.892120	38.06502	29743.36	26.72786	2557.213	463.3000	35.81775	SDDEV
SDDEV	1.8556628	.01232	416.52	5.65147	27.108	8.80355	5.23694	%RSD
Units	K_7664	AG3280	NA5889	V_2924	ZH2138	AS1936	SE1960	#1
#2	1247.923	.9598791	78.90713	13.20397	85.04488	39.99890	156.9762	Units
Units	1247.923	.9598791	78.90713	13.20397	85.04488	39.99890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	Units
Units	1056.963	.9815496	81.54365	13.10693	82.19296	38.965890	156.9762	#2
SDDEV	1355.029	.0153234	80.22539	13.15545	83.61892	46.11539	97.81755	Avg
Avg	1152.443	.9707143	80.22539	13.15545	83.61892	46.11539	97.81755	SDDEV
SDDEV	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	%RSD
Units	11.71677	1.578567	2.323830	2.41164	1.875735	95.52960	97.81755	#1
#2	1056.963	.9815496	81.54					

DATACHEN LABORATORIES

Element	A13087	SB2068	B4934	RE3130	CD2288	CA3158	CR2677	Range	Value	Method: EPACLP	Sample Name: MERAO2S	Operator: RRB
L A B O R A T O R I E S												
#1	80.99036	175.8594	80.99036	175.8594	80.99036	175.8594	80.99036	175.8594	80.99036	175.8594	80.99036	175.8594
#2	-28.6440	117.4404	-28.6440	117.4404	-28.6440	117.4404	-28.6440	117.4404	-28.6440	117.4404	-28.6440	117.4404
#1	44.39819	232.6610	44.39819	232.6610	44.39819	232.6610	44.39819	232.6610	44.39819	232.6610	44.39819	232.6610
#2	K_7664	A93280	N45889	V_2924	ZH2138	A=1936	S=1960	K_7664	A93280	N45889	V_2924	ZH2138
#1	50.00000	25.00000	100.00000	20.00000	5000.000	15.00000	40.00000	50.00000	25.00000	100.00000	20.00000	50.00000
#2	.0054914	14.80286	19.86561	G-30.B230	-7.65750	1.243191	-7.40863	.0054914	14.80286	19.86561	-7.65750	1.243191
#1	81.06596	14.12995	8.840279	994.7507	425.3590	141.6922	56.56854	81.06596	14.12995	8.840279	994.7507	425.3590
#2	SDDEV	.0028328	1.90164	1.65285	38.816212	16.22312	6.9849	SDDEV	.0028328	1.90164	1.65285	38.816212
#1	AVG	.0034945	13.45820	19.69687	-3.83828	3.913984	-1.210008	AVG	.0034945	13.45820	19.69687	-3.83828
#2	SRSD	14.12995	8.840279	994.7507	425.3590	141.6922	56.56854	SRSD	14.12995	8.840279	994.7507	425.3590
#1	Element	CD2286	GU2247	F#2599	P#2203	M#2790	N#2316	Element	CD2286	GU2247	F#2599	P#2203
#2	Range	200.0000	60.00000	200.0000	5.00000	5.00000	10.00000	Range	200.0000	60.00000	200.0000	5.00000
#1	Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	Value	.0000000	.0000000	.0000000	.0000000
#2	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Units	ug/L	ug/L	ug/L	ug/L
#1	SDDEV	9.94044	25.76345	0.0113741	1.938355	5.5231930	8.573374	SDDEV	9.94044	25.76345	0.0113741	1.938355
#2	AVG	-1.87209	2.939270	2.774887	0.0113729	-0.028945	11.06386	AVG	-1.87209	2.939270	2.774887	0.0113729
#1	SRSD	530.9815	876.5254	.0000000	.0000016	2.782182	7.823327	SRSD	530.9815	876.5254	.0000000	.0000016
#2	Range	5730.9815	676.5254	.0000000	.0000016	143.5332	141.4213	Range	5730.9815	676.5254	.0000000	.0000016
#1	Element	A13087	SB2068	B4934	RE3130	CD2288	CA3158	Element	A13087	SB2068	B4934	RE3130
#2	Range	200.0000	60.00000	200.0000	5.00000	5.00000	10.00000	Range	200.0000	60.00000	200.0000	5.00000
#1	Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	Value	.0000000	.0000000	.0000000	.0000000
#2	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Units	ug/L	ug/L	ug/L	ug/L
#1	SDDEV	9.94044	25.76345	0.0113741	1.938355	5.5231930	8.573374	SDDEV	9.94044	25.76345	0.0113741	1.938355
#2	AVG	-1.87209	2.939270	2.774887	0.0113729	-0.028945	11.06386	AVG	-1.87209	2.939270	2.774887	0.0113729
#1	SRSD	530.9815	876.5254	.0000000	.0000016	2.782182	7.823327	SRSD	530.9815	876.5254	.0000000	.0000016
#2	Range	5730.9815	676.5254	.0000000	.0000016	143.5332	141.4213	Range	5730.9815	676.5254	.0000000	.0000016

Run Time: 05/22/92 19:30:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	52005.67	113.3899	2419.702	54.01524	53.73586	5124.407	323.0056
SDev	970.85	.5856	39.243	1.82622	.03496	105.180	4.0837
%RSD	1.866820	.5164813	1.621806	3.384635	.0648751	2.052538	1.264291

#1	51319.17	113.8040	2391.953	52.72249	53.71121	5050.033	320.1180
#2	52692.16	112.9758	2447.451	55.30798	53.76051	5198.781	325.8933

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	604.2142	395.8846	155999.2	632.3320	13214.94	3523.755	653.7660
SDev	.1871	5.6232	2527.2	14.8150	205.53	69.531	26.1933
%RSD	.0309644	1.420406	1.620022	2.342911	1.555289	1.973210	4.006524

#1	604.3466	391.9085	154212.2	621.8563	13069.61	3474.589	635.2445
#2	604.0820	399.8608	157786.2	642.8078	13360.27	3572.921	672.2874

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	6945.690	54.67132	199.2452	620.1856	868.9392	1760.793	2112.287
SDev	155.959	3.02178	10.3868	14.8924	15.3492	27.254	111.476
%RSD	2.245404	5.527170	5.213072	2.401282	1.766428	1.547815	5.277496

#1	7055.970	52.53460	191.9006	609.6550	858.0856	1741.522	2033.461
#2	6835.411	56.80804	206.5898	630.7161	879.7927	1780.064	2191.112

Elem	T11908
Units	ug/L
Avge	135.9534
SDev	22.2528
%RSD	16.36797

#1	151.6885
#2	120.2183

**DATACHEM
LABORATORIES**

*MERAO9**RRB
05/24/92*

Operator: RRB

Method: EPACLP Sample Name: HERBAGC

Run Time: 05/22/92 19:45:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	41287.31	33.91533	689.1721	1.169702	-6.53872	22336.07	407.8575
SDev	262.59	6.14045	1.9622	.003888	.06938	258.17	8.0883
%RSD	.6359949	18.10524	.2851253	.3323892	1.061107	1.155837	1.983122

#1	41101.64	29.57338	689.5595	1.172451	-6.58778	22153.52	402.1382
#2	41472.99	38.25729	686.7846	1.166953	-6.48966	22518.62	413.5768

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	56.34096	96.10367	107807.1	204.5038	8946.607	5535.585	126.0001

SDev	.02757	1.89065	490.9	10.3264	96.775	38.705	17.4623
%RSD	.0489344	1.967308	.4553430	5.147289	1.081694	.6991993	13.85899
#1	56.36046	94.76678	107460.0	197.0605	8878.176	5508.217	138.3478
#2	56.32147	97.44057	108154.3	211.9471	9015.038	5562.954	113.6523
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	6556.610	2.161939	170.8085	88.65546	478.7271	L-105.797	4.187386
SDev	707.552	2.863989	1.5980	2.46856	15.7866	71.558	139.4260
%RSD	10.79143	132.4732	.9355273	2.784444	3.297615	67.63713	3329.715
#1	6056.295	1367929	171.9384	86.90993	467.5643	-55.1979	102.7779
#2	7056.925	4.187086	169.6786	90.40100	489.8899	L-156.397	-94.4031
Elem	Tl1908						
Units	ug/L						
Avg	144.9552						
SDev	58.3045						
%RSD	40.22246						
#1	103.7277						
#2	186.1827						

**DATA CHEM
LABORATORIES**

Method: EPACLP Sample Name: MERA04 Operator: RRE

Run Time: 05/22/92 19:51:04

Comments:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	17309.37	28.76233	70.75963	-.049596	-7.67882	22955.65	5433.039
SDev	9.94	17.61166	.00000	.000022	.00070	72.15	4.048
%RSD	.0574149	61.23169	.0000000	.0450181	.0090542	.3143007	.0745055
#1	17302.34	41.21565	70.75963	-.049612	-7.67833	22904.63	5430.176
#2	17316.40	16.30901	70.75963	-.049581	-7.67931	23006.66	5435.901
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	27.77887	607.0158	63917.86	12.30835	192427.4	1007.740	2691.834
SDev	1.67819	3.8035	79.33	5.40842	540.0	1.751	.002
%RSD	6.761219	.6265907	.1241145	43.94108	.2806297	.1737144	.0000641
#1	26.45079	604.3262	63861.76	8.484016	192045.6	1006.502	2691.833
#2	29.10695	609.7052	63973.95	16.13268	192809.3	1008.978	2691.836
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	1865.679	1.354496	234.6498	31.48989	92.36377	-43.2404	24.53136
SDev	6.752	.954738	2.3970	.01418	.02156	3.3469	148.7175
%RSD	.3618803	70.48654	1.021501	.0450182	.0233457	7.744924	606.2341
#1	1870.453	2.029598	232.9549	31.49991	92.37901	-45.6085	129.6905
#2	1860.905	.6793948	236.3447	31.47987	92.34852	-40.8724	-80.6278

Model: CUNG LGBF. PAGE 07

ପ୍ରକାଶକ

Method: ERICLIP Sample Name: MERA05 Run Time: 05/22/92 20:05:30

LABORATORIES
DATACHEM

Model: LUNA. Page 449

גָּדוֹלָה

metrichgai ERGELF. Sampia Namei MERKOS
Run Time: 05/22/92 19:55:00

Method: ERACLP Sample Name: MERATOZ Operator: RFB Run Time: 05/22/92 20:09:22 Comment: Model CONC Curr. Factor: 1

LABORATORIES

#1	15.44654	19.93836	7459.993	- .854117	12997.42	834.4332	39.52732
#2	15.44405	19.93729	7523.105	14.51960	13034.54	845.6267	34.58822
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1465.618	-3.22386	474.1961	14.93536	159.4139	24.88086	-19.7362
SDev	236.301	.95802	2.3970	2.55957	5.9212	25.98556	9.2949
%RSD	16.12296	29.71644	.5054814	17.13766	3.714349	104.4400	47.09598
#1	1298.528	-3.90128	472.5012	16.74525	163.6008	6.506294	-26.3087
#2	1632.707	-2.54644	475.8910	13.12547	155.2270	43.25542	-13.1636
Elem	Tl1908						
Units	ug/L						
Avge	51.16433						
SDev	147.0884						
%RSD	287.4824						
#1	-52.8429						
#2	155.1715						

Method: EPACLP Sample Name: MERA08

Operator: RRB

Run Time: 05/22/92 20:13:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	30368.98	-10.9514	164.4121	- .116689	4.236434	246604.0	3705.555
SDev	18.39	36.8208	.9811	.004015	.032546	1316.9	2.049
%RSD	.0605653	336.2205	.5967178	3.441188	.7682357	.5340177	.0552950
#1	30355.97	15.08485	165.1058	- .113850	4.259447	245672.8	3704.106
#2	30381.98	-36.9876	163.7183	- .119529	4.213420	247535.2	3707.004
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	9.526942	35.81524	15739.33	70.22339	83978.53	6078.501	70.39101
SDev	.000765	.00042	18.18	49.13009	293.24	14.946	5.23870
%RSD	.0080268	.0011749	.1155136	69.96258	.3491838	.2458817	7.442283
#1	9.526402	35.81494	15726.48	104.9636	83771.18	6067.932	74.09533
#2	9.527483	35.81554	15752.19	35.48317	84185.88	6089.069	66.68669
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2309.660	-1.64113	399.8087	74.06873	360.6507	84.52907	92.83569
SDev	.252.504	1.94327	6.9245	2.54953	7.9163	41.07492	92.94745
%RSD	10.93254	118.4101	1.731965	3.441181	2.195006	48.59266	100.1204
#1	2131.113	-3.01523	394.9123	72.28594	355.0530	55.48471	158.5595
#2	2488.208	-.267035	404.7051	75.89152	366.2484	113.5734	27.11192
Elem	Tl1908						
Units	ug/L						
Avge	208.0515						

DATA CHEM
LABORATORIES

SDev 147.9320
ZRSD 71.10352

#1 312.6552
#2 103.4478

Method: EPACLP Sample Name: MERA09 Operator: RRB

Run Time: 05/22/92 20:21:04

Comment:

Mode: CONC Corr. Factor: 1

Elem Al3082	Sb2068	Ba4934	Be3130	Cd2286	Ca3158	Cr2677
Units ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg 22930.10	6.826939	120.7076	.5697867	3.109802	232819.1	2157.262
SDev 80.85	12.17821	.0000	.9218375	1.325760	1437.8	10.127
ZRSD .3526075	178.3846	.0000000	161.7864	42.63164	.6175478	.4694228

#1 22872.93	-1.78436	120.7076	-.082051	2.172349	231802.4	2150.102
#2 22987.27	15.43823	120.7076	1.221624	4.047256	233835.7	2164.423

Elem Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg 4.669595	33.33955	9186.734	54.54082	56472.22	3983.858	39.51743
SDev 7.530384	.00215	46.276	21.78125	168.73	28.140	3.49915
ZRSD 161.2642	.0064483	.5037278	39.93569	.2987900	.7063580	8.854691

#1 -.655191	33.34107	9154.012	39.13915	56352.91	3963.959	37.04316
#2 9.994381	33.33803	9219.456	69.94250	56591.53	4003.756	41.99170

Elem K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg 1552.504	-1.55095	319.5833	53.89241	315.5768	63.59385	-32.1299
SDev 172.837	.03695	9.0552	2.54061	5.9442	70.56315	46.4722
ZRSD 11.13280	2.382431	2.833429	4.714220	1.883587	110.9591	144.6384

#1 1430.290	-1.57708	313.1803	52.09593	319.7820	13.69817	.7308857
#2 1674.719	-1.52483	325.9863	55.68889	311.3756	113.4895	-64.9907

Elem Tl1908						
Units ug/L						
Avg -73.7147						
SDev 213.9680						
ZRSD 290.2649						

**DATACHEM
LABORATORIES**

#1 77.58349						
#2 L-225.013						

Method: EPACLP Sample Name: CCV\7 Job 5/27/92 Operator: RRB

Run Time: 05/22/92 20:22:58

Comment:

Mode: CONC Corr. Factor: 1

Elem Al3082	Sb2068	Ba4934	Be3130	Cd2286	Ca3158	Cr2677
Units ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg 25316.10	5071.013	5100.243	5114.689	5089.105	25791.07	5132.017

SDev	157.05	25.313	35.319	36.063	19.245	13.91	28.253
%RSD	.6203379	.4991618	.6924913	.7050964	.3781577	.0539285	.5505282
#1	25205.06	5053.114	5075.269	5089.188	5075.496	25781.23	5112.039
#2	25427.15	5088.912	5125.217	5140.189	5102.712	25800.90	5151.995
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
Units	ug/L						
Avge	5151.071	5122.400	25732.76	5145.745	25686.53	5154.871	5155.106
SDev	18.822	36.150	132.22	21.779	156.84	24.628	15.734
%RSD	.3654042	.7057334	.5138171	.4232514	.6106016	.4777663	.3052151
#1	5137.762	5096.838	25639.26	5161.145	25575.62	5137.457	5143.981
#2	5164.381	5147.962	25826.25	5130.345	25797.43	5172.286	5166.232
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	25777.68	1025.021	25419.21	5130.641	5111.502	5163.505	5164.246
SDev	452.35	4.924	38.35	28.037	7.733	27.880	37.186
%RSD	1.754805	.4803702	.1508736	.5464699	.1512784	.5399426	.7200717
#1	26097.54	1021.539	25392.09	5110.815	5106.034	5143.791	5190.542
#2	25457.82	1028.503	25446.33	5150.466	5116.969	5183.219	5137.953
Elem	Tl1908						
Units	ug/L						
Avge	5202.985						
SDev	84.156						
%RSD	1.617497						
#1	5262.494						
#2	5143.477						

DATA CHEM
LABORATORIES

Method: EPACLP_ Sample Name: DOBKT *for 5/27/92* Operator: RRB

Run Time: 05/22/92 20:24:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	9.171034	-39.1835	2.774887	.0113704	1.902943	25.20097	1.433718
SDev	11.35613	21.2662	.000000	.0000011	.017991	23.46998	2.019710
%RSD	123.8479	54.27346	.0000000	.0092900	.9454112	93.13128	140.8722
#1	17.20245	-24.1460	2.774887	.0113712	1.915664	41.79675	2.861868
#2	1.139621	-54.2210	2.774887	.0113697	1.890222	8.605183	.0055672
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mo2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.34092	12.10645	17.53065	-15.4343	11.39930	1.864444	19.75509
SDev	1.88805	.00211	3.30642	21.8219	5.33938	.879145	10.47561
%RSD	140.8026	.0174458	18.86081	141.3857	46.83951	47.15321	53.02737
#1	-.005667	12.10794	15.19266	-.003889	15.17481	2.486094	12.34772
#2	-.67598	12.10496	19.86865	0-30.8647	7.623789	1.242795	27.16246

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	40.57899	- .001309	11.29935	-7.21913	8.280962	69.02929	-52.5764
SDev	88.44404	.010086	1.86430	.00067	.034597	22.59227	.0007
%RSD	217.9553	770.3739	16.49916	.0092898	.4177876	32.72852	.0013134

#1	-21.9604	- .008441	9.981091	-7.21960	8.305426	53.05414	-52.5759
#2	103.1184	.0058229	12.61760	-7.21866	8.256498	85.00443	-52.5768

Elem	Tl1908						
Units	ug/L						
Avg	34.61145						
SDev	32.78076						
%RSD	94.71075						

#1	11.43195						
#2	57.79094						

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: MERAN10 *JMK 5/27/92* Operator: RRB

Run Time: 05/22/92 20:28:47

Comments:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	48607.77	49.08835	256.6771	- .140972	8.203399	325011.7	4785.823
SDev	604.81	34.39286	1.9621	.000063	2.817314	2892.9	56.617
%RSD	1.244257	70.06319	.7644355	.0444796	34.34326	.8900930	1.183013

#1	48180.11	73.40778	255.2896	- .141017	10.19554	322966.1	4745.789
#2	49035.44	24.76892	258.0645	- .140928	6.211257	327057.3	4825.857

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	15.93528	58.57559	19122.47	96.12097	141501.2	6933.616	108.6750
SDev	1.89349	1.90744	158.65	.82505	1731.3	65.045	3.4942
%RSD	11.88238	3.256375	.8296751	.8583489	1.223505	.9381036	3.215318

#1	17.27418	59.92435	19010.28	96.70437	140277.0	6887.623	111.1458
#2	14.59638	57.22683	19234.65	95.53757	142725.4	6979.609	106.2042

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	3477.658	- .927526	572.5004	89.50639	577.8983	123.8082	67.29733
SDev	91.145	.937039	6.6582	.03981	.0055	66.5005	223.0953
%RSD	2.620711	101.0257	1.163006	.0444753	.0009559	53.71255	331.5070

#1	3413.409	- .264939	567.7924	89.53454	577.9022	76.78522	-90.4549
#2	3542.307	-1.59011	577.2085	89.47824	577.8944	170.8312	225.0496

Elem	Tl1908						
Units	ug/L						
Avg	110.7909						
SDev	145.5772						
%RSD	131.3982						

#1 7.852264
#2 213.7295

Method: EPACLP Sample Name: MERA\\11 *5/27/92* Operator: RRB
Run Time: 05/22/92 20:33:15
Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	53825.96	-4.99950	157.4749	-213834	7.068253	713441.4	11089.92
SDev	180.25	78.64200	.9811	.008034	4.125972	594.6	10.11
%RSD	.3348732	1572.998	.6229981	3.757108	.58.37329	.0833409	.0911835

#1	53953.41	L-60.6078	158.1686	-219515	9.985756	713020.9	11082.77
#2	53698.50	50.60880	156.7811	-208153	4.150751	713861.8	11097.08

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	14.93621	58.72600	13638.82	293.4834	172220.1	12423.93	239.5609
SDev	3.76180	1.90578	23.14	16.1933	120.5	15.83	10.4809
%RSD	25.18574	3.245201	.1696866	5.517614	.0699724	.1274416	4.375066

#1	17.59620	57.37841	13655.18	304.9337	172305.3	12412.73	246.9720
#2	12.27622	60.07359	13622.45	282.0330	172134.9	12435.13	232.1497

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	2204.155	-1.92551	422.0307	135.7677	1688.733	149.8865	48.04250
SDev	149.207	2.83415	1.0653	5.1009	21.762	36.1117	9.28857
%RSD	6.769357	147.1893	.2524274	3.757103	1.288659	24.09270	19.33407

#1	2309.660	-3.92956	422.7840	139.3746	1673.345	175.4214	41.47448
#2	2098.650	.0785330	421.2774	132.1608	1704.121	124.3517	54.61050

Elem	Tl1908
Units	ug/L
Avg	240.6152
SDev	66.1690
%RSD	27.49991

#1	193.8267
#2	287.4037

DATA CHEM
LABORATORIES

Method: EPACLP Sample Name: ICSAF2 Operator: RRB

Run Time: 05/22/92 20:42:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	534060.8	8.902252	12.48699	-2.62296	.7738013	503333.9	15.36365
SDev	2405.3	40.28907	.00000	.00384	.2381584	1931.5	2.07908
%RSD	.4503734	452.5717	.0000000	.1464668	.30.77771	.3837425	13.53249

#1	535761.6	37.39093	12.48699	-2.62568	.6053979	504699.7	16.83378
#2	532360.0	-19.5864	12.48699	-2.62025	.9422047	501968.2	13.89352

Errors	QC Pass						
Value	540055.0	.0000000	.0000000	.0000000	.0000000	494040.0	.0000000
Range	108011.0	60.00000	200.0000	5.000000	5.000000	98808.00	31.00000

Elem	Ca2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	1.186019	19.41127	192358.9	-10.0345	522653.9	11.79757	2.470665
SDev	5.708964	.02677	669.4	57.1085	2241.4	.05024	27.93430
%RSD	481.3552	.1379043	.3479944	569.1185	.4288532	.4258422	1130.639

#1	-2.85083	19.39234	192832.2	030.34723	524238.8	11.76205	22.22320
#2	5.222866	19.43020	191885.6	0-50.4163	521069.0	11.83310	-17.2819

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000000	.0000000	206236.6	.0000000	531358.0	.0000000	.0000000
Range	50.00000	40.00000	41247.20	.30.00000	106271.6	49.00000	40.00000

Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	254.9315	-4.41101	1817.124	2.727692	211.8886	157.6438	103.7985
SDev	114.7747	2.08634	14.914	2.439220	6.1109	318.4484	27.9738
%RSD	45.02178	47.29849	.8207702	89.42432	2.884032	202.0050	26.95015

#1	173.7736	-2.93574	1806.578	4.452480	207.5675	0382.8208	123.5790
#2	336.0895	-5.88627	1827.670	1.002903	216.2096	-67.5332	84.01799

Errors	QC Pass						
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	5000.000	10.00000	5000.000	50.00000	256.0000	200.0000	200.0000

Elem	Tl1908						
Units	ug/L						
Avge	101.4587						
SDev	662.4524						
%RSD	652.9279						

#1	0569.8833						
#2	-366.966						

Errors	QC Pass						
Value	.0000000						
Range	500.0000						

DATACHEM LABORATORIES

Method: EPACLP Sample Name: ICSABF2 Operator: RRB

Run Time: 05/22/92 20:46:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	A13082	Bb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avge	521125.6	508.6640	475.8932	486.3426	900.3011	490552.8	491.5008
SDev	4753.8	64.6831	5.8864	3.6958	4.0779	4422.8	10.2535
%RSD	.9122117	12.71626	1.236919	.7599175	.4529538	.9015949	2.086166

ZRSD	2.160437	26.93591	.0000000	.0000116	15.56733	.0753217	8.221334
#1	533.1209	134.0456	413.4582	11.61929	9.618820	10392.65	25.97481
#2	517.0774	197.1216	413.4582	11.61929	7.711175	10381.58	23.12071
Errors	QC Pass						
Value	400.0000	120.0000	400.0000	10.00000	10.00000	10000.00	20.00000
Range	400.0000	120.0000	400.0000	10.00000	10.00000	10000.00	20.00000
Elem	Ca2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	105.1755	61.87409	294.5149	69.10017	10542.15	23.45157	84.06399
SDev	1.2809	1.90164	1.6521	10.91322	43.30	12.31144	6.98670
ZRSD	1.788361	3.073401	.5609719	15.79333	.4106855	52.49730	8.311173
#1	106.5055	63.21875	295.6831	76.81699	10572.77	32.15707	89.00433
#2	103.8454	60.52943	293.3467	61.38336	10511.54	14.74606	79.12364
Errors	QC Pass						
Value	100.0000	50.00000	200.0000	60.00000	10000.00	30.00000	80.00000
Range	100.0000	50.00000	200.0000	60.00000	10000.00	30.00000	80.00000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	10193.92	20.84555	10373.18	104.5814	47.00751	141.8887	131.4237
SDev	118.15	3.81626	23.17	.0011	.02823	44.9831	55.7675
ZRSD	1.159028	18.30732	.2233662	.0010730	.0600563	31.70308	42.43340
#1	10110.37	18.14705	10389.56	104.5806	46.98755	173.6966	91.99007
#2	10277.46	23.54406	10356.80	104.5822	47.02748	110.0809	170.8573
Errors	QC Pass						
Value	10000.00	20.00000	10000.00	100.0000	40.00000	60.00000	120.0000
Range	10000.00	20.00000	10000.00	100.0000	40.00000	500.0000	500.0000
Elem	Tl1906						
Units	ug/L						
Avg	156.3011						
SDev	16.3703						
ZRSD	10.47357						
#1	144.7255						
#2	167.8766						
Errors	QC Pass						
Value	180.0000						
Range	500.0000						

**DATACHEM
LABORATORIES**

Method: EPACLP Sample Name: COVA8 feb 5/27/92 Operator: RRB
Run Time: 05/22/92 20:53:17
Comment:
Model: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	25021.44	4981.189	5068.332	5081.419	4990.471	25329.46	5067.801

DATACHEM LABORATORIES									
Method: EPACLP		Sample Name: CCBN & 494		Run Time: 05/22/92 - 20:55:01		Operator: RRB		Comments:	
Element	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ERROrS	Value	50000.000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
ERROrS	Range	25000.000	10000.000	25000.000	5000.000	5000.000	5000.000	5000.000	10.00000
ERROrS	Units	ug/L	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	ug/L
ERROrS	Avg/e	5103.443	1095855	5103.443	5.593	5103.443	5.593	5103.443	5.593
ERROrS	SDDev	25367.12	992.5373	24978.91	25250.85	5110.810	5116.911	4991.129	4888.254
ERROrS	Range	25947.64	1013.380	24978.91	4999.064	5006.161	5069.136	5221.989	4888.254
ERROrS	Value	25000.00	1000.000	25000.000	5000.000	5000.000	5000.000	5000.000	10.00000
ERROrS	Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
ERROrS	Units	ug/L	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	ug/L
ERROrS	Avg/e	25657.38	1002.959	25114.88	5054.936	5061.576	5030.433	5105.122	5066.697
ERROrS	SDDev	410.49	14.738	192.29	79.017	78.269	55.159	55.159	6.007624
ERROrS	Range	25367.12	992.5373	24978.91	4999.064	5006.161	5069.136	5221.989	4888.254
ERROrS	Value	25000.00	1000.000	25000.000	5000.000	5000.000	5000.000	5000.000	10.00000
ERROrS	Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
ERROrS	Units	ug/L	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	ug/L
ERROrS	Avg/e	K_7664	AG3280	N45889	V_2924	Zn2138	A#1936	S#1960	ug/L
ERROrS	SDDev	5031.289	5034.980	25190.50	4990.855	25110.78	5036.695	5000.647	5122.534
ERROrS	Range	5135.076	5112.975	25669.65	5091.716	25469.22	5122.534	5195.839	5195.839
ERROrS	Value	5000.000	5000.000	25000.000	5000.000	25000.000	5000.000	5000.000	10.00000
ERROrS	Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
ERROrS	Units	ug/L	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	ug/L
ERROrS	Avg/e	5093.183	5073.977	25430.07	5041.286	25290.00	5079.614	5098.243	5098.243
ERROrS	SDDev	73.389	55.151	338.81	71.319	253.45	60.698	138.022	138.022
ERROrS	Range	1.443759	1.086929	1.332311	1.414699	1.002194	1.19425	2.707243	2.707243
ERROrS	Value	50000.00	50000.000	50000.000	50000.000	50000.000	50000.000	50000.000	10.00000
ERROrS	Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
ERROrS	Units	ug/L	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	ug/L
ERROrS	Avg/e	C#2286	CD#247	CD#247	FE#2599	FE#2599	M#2790	M#2576	N#2316
ERROrS	SDDev	24823.76	4932.023	5032.258	5043.537	4929.903	25098.96	5014.998	5120.602
ERROrS	Range	25219.13	5030.355	5104.405	5119.302	5051.039	25559.96	5014.998	5120.602
ERROrS	Value	25000.00	5000.000	25000.000	5000.000	25000.000	5000.000	25000.000	10.00000
ERROrS	Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
ERROrS	Units	ug/L	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	ug/L
ERROrS	Avg/e	279.57	69.531	51.016	53.574	95.656	325.97	74.673	473486
SDDev	Value	1.117303	1.395863	1.006563	1.054319	1.716389	1.286929	1.473486	1.473486

Model: CONC Concentrator 1

5/22/92

Avg	19.14343	16.47007	2.774887	.0056882	-2.97727	17.82508	4.287005
SDev	14.29575	23.30191	.0000000	.0080440	1.37536	46.07069	6.062684
%RSD	74.67709	141.4803	.0000000	141.4146	46.19535	258.4600	141.4200
#1	29.25205	32.94701	2.774887	.0113762	-3.94979	50.40197	8.573971
#2	9.034802	-.006868	2.774887	.0000003	-2.00474	-14.7518	.0000398
Errors	QC Pass						
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	200.0000	60.00000	200.0000	5.000000	5.000000	5000.000	10.00000
ELEM	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	-2.66877	9.417214	19.86235	3.820059	3.778776	1.243326	8.640882
SDev	3.76499	.001215	6.60927	5.476332	27.14674	.000383	5.242260
%RSD	141.0758	.0129038	33.26735	143.3573	718.4003	.0308001	60.66812
#1	-.006521	9.416355	24.54059	7.692410	-15.4169	1.243055	12.34772
#2	-5.33102	9.418074	15.19367	-.052293	22.97442	1.243597	4.934044
Errors	QC Pass						
Value	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
Range	50.00000	25.00000	100.0000	30.00000	5000.000	15.00000	40.00000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	1430.290	3.394791	21.65708	-3.61264	9.721100	50.30427	-39.4326
SDev	1668.959	2.901943	10.12047	5.10552	1.993447	11.31118	92.9445
%RSD	116.6868	85.48221	46.73054	141.3239	20.50639	22.48552	235.7050
#1	250.1575	1.342808	28.81334	-7.22278	8.311520	42.30606	-105.154
#2	2610.423	5.446775	14.50083	-.002490	11.13068	58.30248	26.28913
Errors	QC Pass	NOCHECK	NOCHECK				
Value	.0000000	.0000000	.0000000	.0000000	.0000000		
Range	5000.000	10.00000	5000.000	50.00000	20.00000		
ELEM	Tl1908						
Units	ug/L						
Avg	-46.6793						
SDev	114.9904						
%RSD	246.3410						
#1	-127.990						
#2	34.63112						
Errors	NOCHECK						
Value							
Range							

**DATACHEM
LABORATORIES**

*Robert R Done 05/28/92**Vax 92-408*

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV ^P RRB 05/28/92	ICPDATA	EPACLP	05/28/92	22:08	RRB	Q	CONC
2	ICB2	ICPDATA	EPACLP	05/28/92	22:12	RRB	Q	CONC
3	CCV9	ICPDATA	EPACLP	05/28/92	22:14	RRB	Q	CONC
4	CCB9	ICPDATA	EPACLP	05/28/92	22:15	RRB	Q	CONC
5	ICSAI3	ICPDATA	EPACLP	05/28/92	22:22	RRB	Q	CONC
6	ICSABI3	ICPDATA	EPACLP	05/28/92	22:30	RRB	Q	CONC
7	CRII3	ICPDATA	EPACLP	05/28/92	22:34	RRB	Q	CONC
8	MERA02A (Sb 120ug/L)	ICPDATA	EPACLP	05/28/92	22:38	RRB	S	CONC
9	ICSAF3	ICPDATA	EPACLP	05/28/92	22:46	RRB	Q	CONC
10	ICSABF3	ICPDATA	EPACLP	05/28/92	22:50	RRB	Q	CONC
11	CRIF3	ICPDATA	EPACLP	05/28/92	23:01	RRB	Q	CONC
12	CCV10	ICPDATA	EPACLP	05/28/92	23:03	RRB	Q	CONC
13	CCB10	ICPDATA	EPACLP	05/28/92	23:05	RRB	Q	CONC

*DATA CHEM
LABORATORIES*

#	Sample Name	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158
1	ICV/ ³ ICB/ ³ RRB 05/28/92	1971.7	953.02	2106.0	488.00	516.98	51717.
2	ICB/ ³	3.6943	-1.4802	4.5346	.00000	-1.9017	34.148
3	CCV9	24802.	5074.7	4976.4	5018.1	5087.3	25317.
4	CCB9	-4.7172	14.765	4.5346	1.2051	.92765	.58873
5	ICSAI3	489720.	-43.485	9.7169	-2.4375	-.54328	472570.
6	ICSAIB3	487200.	446.88	425.60	467.51	896.86	472610.
7	CRII3	526.54	97.930	357.58	8.3384	10.436	9939.9
8	MERA02A (Sb 120ug/L)	44638.	126.77	298.63	.46729	2.8365	3771.6
9	ICSAF3	498060.	56.600	8.4213	-2.4421	-2.2180	479760.
10	ICSABF3	482900.	431.99	426.90	456.60	885.38	465640.
11	CRIF3	477.72	114.36	402.96	11.189	17.687	10275.
12	CCV10	24899.	4911.7	5002.4	5031.7	5029.0	25338.
13	CCB10	-2.9434	13.705	-1.4264	-.62832	3.9495	5.5841
#	Sample Name	Cr2677	Co2286	Cu3247	Fe2599	Ph2203	Mg2790
1	ICV/ ³ ICB/ ³ RRB 05/28/92	524.91	515.31	527.77	2084.8	5185.6	25894.
2	ICB/ ³	5.3734	-.00481	4.9782	3.2901	28.887	-31.305
3	CCV9	5104.1	5096.7	4977.6	25441.	5071.4	24842.
4	CCB9	2.6830	-.00237	4.9795	14.264	3.6213	-20.787
5	ICSAI3	12.992	6.1396	17.902	179710.	892.962	473130.
6	ICSAIB3	481.45	436.55	474.70	179940.	4447.2	472750.
7	CRII3	21.751	97.337	42.310	312.73	100.73	9700.5
8	MERA02A (Sb 120ug/L)	108.19	65.962	102.42	145050.	74.815	12494.
9	ICSAF3	18.609	2.2056	7.8551	182340.	857.659	482310.
10	ICSABF3	469.12	434.25	462.34	177400.	4394.8	467330.
11	CRIF3	34.123	104.90	56.357	266.72	68.117	10241.
12	CCV10	5063.5	5073.4	4990.8	25321.	5105.8	24754.
13	CCB10	1.4124	-.00362	2.6831	3.4938	18.999	-26.014
#	Sample Name	Mn2576	Ni2316	K_7664	Ag3280	Na5889	V_2924
1	ICV/ ³ ICB/ ³ RRB 05/28/92	514.52	549.12	52731.	524.84	52788.	532.76
2	ICB/ ³	58506	11.777	-383.77	-1.9538	65.833	-.00280
3	CCV9	5062.6	5111.4	24834.	1005.7	24729.	5030.8
4	CCB9	2.3394	3.5331	-455.38	-1.9151	44.653	5.0132
5	ICSAI3	22.053	23.560	-586.91	-6.2398	1622.7	7.3072
6	ICSAIB3	446.47	881.34	-315.30	875.84	1647.2	448.45
7	CRII3	25.550	78.999	8878.0	17.344	9255.0	96.923
8	MERA02A (Sb 120ug/L)	2265.4	122.54	4788.5	2.7114	269.51	91.559
9	ICSAF3	20.105	35.333	-167.56	-4.2813	1644.8	10.221
10	ICSABF3	436.61	847.19	-242.78	865.98	1609.1	443.86
11	CRIF3	31.969	89.559	10200.	18.360	10162.	108.88
12	CCV10	5042.1	5158.7	24981.	1004.5	24803.	5030.3
13	CCB10	-2.4721	8.6975	-212.69	-1.3826	5.7399	-1.7873

**DATACHEM
LABORATORIES**

LABORATORIES
DATACHEM

#	Sample Name	Zn2128	Ae1936	Se1960	Tl1908
1	ICV ₃	3043.7	11.619	11.930	-139.39
2	ICB ₇	4.0504	-9.8938	-91.158	-93.454
3	CCV ₉	5135.1	5064.0	5194.4	4935.9
4	CCB ₉	4.0557	29.403	-109.39	-22060
5	ICSA13	203.37	0336.33	0247.63	-80.222
6	ICSA13	1188.7	1062.5	1031.3	766.09
7	CR113	47.216	54.708	218.76	76.708
8	MERAO2A (SB 120ug/L)	2328.32	L-214.94	39.807	3.7500
9	ICGAF ₃	207.08	124.46	29.153	55.044
10	ICGABF ₃	1148.4	1046.7	1019.0	660.45
11	CRIF ₃	61.604	41.517	123.60	-50.024
12	CCV ₁₀	5065.5	5048.9	5054.6	5133.3
13	CCB10	13.761	-2.4987	-49.448	-11.139

May 92-408

Ruth R. Brown 05/28/92

Method: EPACLP Standard: S0

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Avg	-.01080	.00140	.00080	.00160	.00050	-.10890	.00020
SDev	.00085	.00028	.00000	.00000	.00014	.00014	.00000
%RSD	7.8567	20.203	.00000	.00000	28.284	.12986	.00000
#1	-.01140	.00120	.00080	.00160	.00040	-.10880	.00020
#2	-.01020	.00160	.00080	.00160	.00060	-.10900	.00020
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Avg	.00000	.00210	.00230	.00040	.00210	.00100	-.00160
SDev	.00000	.00014	.00014	.00057	.00042	.00000	.00000
%RSD	.00000	6.7343	6.1488	141.42	20.203	.00000	.00000
#1	.00000	.00200	.00220	.00000	.00180	.00100	-.00160
#2	.00000	.00220	.00240	.00080	.00240	.00100	-.00160
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Avg	.00306	-.00140	-.00120	-.00040	.00050	-.00190	-.00010
SDev	.00032	.00000	.00283	.00000	.00042	.00099	.00014
%RSD	10.411	.00000	235.70	.00000	84.853	52.103	141.42
#1	.00283	-.00140	-.00320	-.00040	.00080	-.00260	-.00020
#2	.00328	-.00140	.00080	-.00040	.00020	-.00120	.00000
Elem	T11908						
Avg	.00010						
SDev	.00014						
%RSD	141.42						
#1	.00020						
#2	.00000						

**DATACHEM
LABORATORIES**

Method: EPACLP Standard: S1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Avg	5.4235	.68620	1.5445	1.6530	1.0518	8.3836	.74510
SDev	.0349	.00368	.0146	.0127	.0048	.0351	.00127
%RSD	.64407	.53584	.94312	.76998	.45715	.41834	.17082
#1	5.4482	.68880	1.5548	1.6620	1.0552	8.4084	.74600
#2	5.3988	.68360	1.5342	1.6440	1.0484	8.3588	.74420
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Avg	.80150	.80550	4.5591	.27610	1.4458	1.7118	.84670
SDev	.00184	.00551	.0180	.00042	.0071	.0042	.00212
%RSD	.22938	.68473	.39395	.15367	.48908	.24785	.25054
#1	.80280	.80940	4.5718	.27580	1.4508	1.7148	.84820
#2	.80020	.80160	4.5464	.27640	1.4408	1.7088	.84520
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Avg	.34995	.29910	14.163	.59830	.74020	.43500	.16450
SDev	.00016	.00127	.112	.00297	.00226	.00057	.00354
%RSD	.04672	.42554	.78981	.49638	.30569	.13004	.21493

#1	.35006	.30000	14.243	.60040	.74180	.43460	.16700
#2	.34983	.29820	14.084	.59620	.73860	.43540	.16200

El em T11908
 Avge .10420
 SDev .00085
 %RSD .81433

DATA CHEM
 LABORATORIES

#1	.10360
#2	.10480

Method: EPACLP_ Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date	Standardized
Al3082	308.215	S1	S0	9238.06	99.7711	05/28/92	10:02:37
Sb2068	206.838	S1	S0	14753.9	-20.6555	05/28/92	10:02:37
Ba4934	493.409	S1	S0	6477.94	-5.18235	05/28/92	10:02:37
Be3130	313.042	S1	S0	6065.01	-9.70401	05/28/92	10:02:37
Cd2288	228.802	S1	S0	9548.28	-4.77414	05/28/92	10:02:37
Ca3158	315.887	S1	S0	5887.55	641.154	05/28/92	10:02:37
Cr2677	267.716	S1	S0	13432.4	-2.68648	05/28/92	10:02:37
Co2286	228.616	S1	S0	12485.8	.000000	05/28/92	10:02:37
Cu3247	324.754	S1	S0	12451.5	-26.1481	05/28/92	10:02:37
Fe2599	259.940	S1	S0	10973.4	-25.2388	05/28/92	10:02:37
Pb2203	220.353	S1	S0	36102.1	-14.4408	05/28/92	10:02:37
Mg2790	279.079	S1	S0	34677.4	-72.8225	05/28/92	10:02:37
Mn2576	257.610	S1	S0	5844.27	-5.84427	05/28/92	10:02:37
Ni2316	231.604	S1	S0	11777.1	18.8434	05/28/92	10:02:37
K_7664	766.491	S1	S0	144138.	-440.521	05/28/92	10:02:37
Ag3280	328.068	S1	S0	6498.77	9.09828	05/28/92	10:02:37
Na5889	588.995	S1	S0	3529.90	4.23588	05/28/92	10:02:37
V_2924	292.402	S1	S0	16721.2	6.68847	05/28/92	10:02:37
Zn2138	213.856	S1	S0	13609.7	-6.80484	05/28/92	10:02:37
As1936	193.696	S1	S0	24603.9	46.7474	05/28/92	10:02:37
Se1960	196.026	S1	S0	60772.1	6.07721	05/28/92	10:02:37
T11908	190.801	S1	S0	103794.	-10.3794	05/28/92	10:02:37

Method: EPACLP_

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	S0	.000000	.000001	-.000001
		S1	50000.0	50202.4	-202.395

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	S0	.000000	-.000001	.000001
		S1	10000.0	10103.5	-103.500

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	S0	.000000	.000000	-.000000
		S1	10000.0	10000.0	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	S0 S1	.000000 10000.0	.000000 10015.8	-.000000 -15.7500
Element Cd2288	228.802	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10038.1	-.000000 -38.1094
Element Ca3158	315.887	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 50000.0	-.000005 50000.0	.000005 .000000
Element Cr2677	267.716	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10005.8	-.000000 -5.79004
Element Co2286	228.616	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 10007.4	.000000 -7.38965
Element Cu3247	324.754	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000001 10003.5	-.000001 -3.51465
Element Fe2599	259.940	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 50000.0	.000001 50003.5	-.000001 -3.54297
Element Pb2203	220.353	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 9953.35	-.000000 46.6504
Element Mg2790	279.079	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 50000.0	.000001 50063.8	-.000001 -63.7539
Element Mn2576	257.610	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	.000000 9998.38	-.000000 1.61914
Element Ni2316	231.604	Standard	Known Concentration	Measured Concentration	Residual Concentration
		S0 S1	.000000 10000.0	-.000000 9990.54	.000000 9.45996

**DATACHEM
LABORATORIES**

Known Measured Residual

Element K_7664	Wavelength 766.491	Standard S0 S1	Concentration .000000 50000.0	Concentration -.000003 50000.0	Concentration .000003 -.000000
Element Ag3280	Wavelength 328.068	Standard S0 S1	Known Concentration .000000 2000.00	Measured Concentration -.000000 1952.88	Residual Concentration .000000 47.1200
Element Na5889	Wavelength 588.995	Standard S0 S1	Known Concentration .000000 50000.0	Measured Concentration -.000000 50000.0	Residual Concentration .000000 -.000000
Element V_2924	Wavelength 292.402	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration -.000000 10011.0	Residual Concentration .000000 -10.9707
Element Zn2138	Wavelength 213.856	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration -.000000 10067.1	Residual Concentration .000000 -67.0850
Element As1936	Wavelength 193.696	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration -.000002 10749.4	Residual Concentration .000002 -749.440
Element Se1960	Wavelength 196.026	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration -.000000 10003.1	Residual Concentration .000000 -3.06008
Element Tl1908	Wavelength 190.801	Standard S0 S1	Known Concentration .000000 10000.0	Measured Concentration -.000000 10804.9	Residual Concentration .000000 -804.910

Method: EPACLP Sample Name: ICV/*RRB*
 Run Time: 05/28/92 22:08:23 *05/28/92* Operator: RRB
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	1971.727	953.0217	2105.979	488.0003	516.9816	51717.40	524.9089
SD	7.613	10.5310	8.245	3.4123	5.3990	317.23	3.7987
ZRSD	.3861152	1.105015	.3915114	.6992315	1.044328	.4133831	.7236901
#1	1966.344	960.4683	2111.809	485.5875	513.1639	51493.09	522.2228
#2	1977.110	945.5751	2100.149	490.4131	520.7992	51941.71	527.5950
Errors	QC Pass						
Value	2056.000	1024.000	2078.000	508.0000	516.0000	51382.00	514.0000
Range	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000

LABORATORIES

177

DATACHEM

Element	Co2286	Co3247	Fe2599	Pb2903	Mn2790	Mn2795	Ni2316	Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	ERROres	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	RANGE	10.00000	525.0000	2147.000	25587.00	509.0000	504.0000	10.00000
#1	509.0663	531.5081	2077.078	5156.647	25880.377	513.9218	539.8741	521.5447	524.0325	2092.439	5214.505	25906.76	515.1034	5556.5740	
#2	509.0663	531.5081	2077.078	5156.647	25880.377	513.9218	539.8741	521.5447	524.0325	2092.439	5214.505	25906.76	515.1034	5556.5740	
Avgae	1.712288	1.001439	.5210161	.78895589	.0720734	18.66	.8285	11.6672	5.2853	10.862	40.912	514.5176	548.1241	XRSID	
SD&V	515.2055	527.7708	2084.758	5135.576	25893.57	514.5176	514.5176	515.2055	5.2853	10.862	40.912	514.5176	548.1241	XRSID	
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Element	K_7664	A93280	N5889	V_2924	Zn2138	A51936	SE1960	Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	ERROres	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	RANGE	10.00000	517.0000	52348.00	517.0000	3052.000	10.00000	
#1	-108.061	-170.727						#1	50563.00	517.0000	52348.00	517.0000	3052.000	10.00000	
#2	-108.061	-170.727						Value	50563.00	517.0000	52348.00	517.0000	3052.000	10.00000	
Avgae	-139.394	44.312						ERROres	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
SD&V	-139.394	44.312						Value	-108.061	-170.727					
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element	T11908						
Element															
#1	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#1	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	Value	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element	K_7664	A93280	N5889	V_2924	Zn2138	A51936	SE1960
Element															
#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	Value	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
#1	-108.061	-170.727													
#2	-108.061	-170.727													
Avgae	-139.394	44.312													
SD&V	-139.394	44.312													
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element	T11908						
Element															
#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	Value	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
#1	-108.061	-170.727													
#2	-108.061	-170.727													
Avgae	-139.394	44.312													
SD&V	-139.394	44.312													
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
Element															
#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	Value	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
#1	-108.061	-170.727													
#2	-108.061	-170.727													
Avgae	-139.394	44.312													
SD&V	-139.394	44.312													
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
Element															
#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	Value	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
#1	-108.061	-170.727													
#2	-108.061	-170.727													
Avgae	-139.394	44.312													
SD&V	-139.394	44.312													
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
Element															
#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	Value	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
#1	-108.061	-170.727													
#2	-108.061	-170.727													
Avgae	-139.394	44.312													
SD&V	-139.394	44.312													
Unites	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	Element							
Element															
#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	#1	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000	10.00000
#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335	#2	523443.59	520.9083	52924.88	524.4069	3038.253	19.22788	54.52335
Avgae	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674	SD&V	527331.41	524.8406	52788.09	523.7546	3043.679	11.61976	7.674
SD&V	527331.41	524.8406	52788.09	523.7546	3043.679</td										

Performance Metrics for Application X - Q3 2023									
Metric Type	Parameter	System A		System B		System C		System D	
		Value	Range	Value	Range	Value	Range	Value	Range
System Health	Uptime (%)	99.8	[99.5, 100.0]	99.5	[99.0, 100.0]	99.2	[98.5, 100.0]	98.5	[97.0, 100.0]
Resource Utilization	CPU Usage (%)	30.0	[20.0, 40.0]	35.0	[30.0, 45.0]	40.0	[35.0, 45.0]	45.0	[40.0, 50.0]
Network Latency	Avg RTT (ms)	1.2	[1.0, 1.5]	1.5	[1.2, 1.8]	1.8	[1.5, 2.0]	2.0	[1.8, 2.2]
Throughput	Max Throughput (Mbps)	100.0	[80.0, 120.0]	95.0	[85.0, 110.0]	90.0	[80.0, 100.0]	85.0	[75.0, 95.0]
Latency	Min Latency (ms)	0.5	[0.4, 0.6]	0.6	[0.5, 0.7]	0.7	[0.6, 0.8]	0.8	[0.7, 0.9]
Throughput	Total Throughput (Mbps)	95.0	[85.0, 110.0]	90.0	[80.0, 100.0]	85.0	[75.0, 95.0]	80.0	[70.0, 90.0]
Latency	Avg Latency (ms)	1.5	[1.2, 1.8]	1.8	[1.5, 2.0]	2.0	[1.8, 2.2]	2.2	[2.0, 2.5]
Throughput	Peak Throughput (Mbps)	100.0	[80.0, 120.0]	95.0	[85.0, 110.0]	90.0	[80.0, 100.0]	85.0	[75.0, 95.0]
Latency	Max Latency (ms)	0.8	[0.7, 0.9]	0.9	[0.8, 1.0]	1.0	[0.9, 1.1]	1.1	[1.0, 1.2]
Throughput	Throughput Variance (%)	5.0	[3.0, 7.0]	6.0	[4.0, 8.0]	7.0	[5.0, 9.0]	8.0	[6.0, 10.0]
Latency	Latency Variance (%)	2.0	[1.5, 2.5]	2.5	[2.0, 3.0]	3.0	[2.5, 3.5]	3.5	[3.0, 4.0]
Throughput	Throughput Consistency (%)	95.0	[90.0, 100.0]	90.0	[85.0, 95.0]	85.0	[80.0, 90.0]	80.0	[75.0, 85.0]
Latency	Latency Consistency (%)	90.0	[85.0, 95.0]	85.0	[80.0, 90.0]	80.0	[75.0, 85.0]	75.0	[70.0, 80.0]
Throughput	Throughput Stability (%)	98.0	[95.0, 100.0]	95.0	[92.0, 98.0]	92.0	[88.0, 95.0]	88.0	[84.0, 92.0]
Latency	Latency Stability (%)	95.0	[92.0, 98.0]	92.0	[88.0, 95.0]	88.0	[84.0, 92.0]	84.0	[80.0, 90.0]
Throughput	Throughput Efficiency (%)	90.0	[85.0, 95.0]	85.0	[80.0, 90.0]	80.0	[75.0, 85.0]	75.0	[70.0, 80.0]
Latency	Latency Efficiency (%)	88.0	[84.0, 92.0]	84.0	[80.0, 88.0]	80.0	[76.0, 84.0]	76.0	[72.0, 80.0]
Throughput	Throughput Utilization (%)	92.0	[88.0, 96.0]	88.0	[84.0, 92.0]	84.0	[80.0, 88.0]	80.0	[76.0, 84.0]
Latency	Latency Utilization (%)	86.0	[82.0, 90.0]	82.0	[78.0, 86.0]	78.0	[74.0, 82.0]	74.0	[70.0, 80.0]
Throughput	Throughput Capacity (%)	94.0	[90.0, 98.0]	90.0	[86.0, 94.0]	86.0	[82.0, 90.0]	82.0	[78.0, 90.0]
Latency	Latency Capacity (%)	89.0	[85.0, 93.0]	85.0	[81.0, 89.0]	81.0	[77.0, 85.0]	77.0	[73.0, 85.0]
Throughput	Throughput Performance (%)	96.0	[92.0, 99.0]	92.0	[88.0, 96.0]	88.0	[84.0, 92.0]	84.0	[80.0, 92.0]
Latency	Latency Performance (%)	91.0	[87.0, 95.0]	87.0	[83.0, 91.0]	83.0	[79.0, 87.0]	79.0	[75.0, 87.0]
Throughput	Throughput Efficiency (%)	93.0	[89.0, 97.0]	89.0	[85.0, 93.0]	85.0	[81.0, 93.0]	81.0	[77.0, 93.0]
Latency	Latency Efficiency (%)	87.0	[83.0, 91.0]	83.0	[79.0, 87.0]	79.0	[75.0, 87.0]	75.0	[71.0, 87.0]
Throughput	Throughput Capacity (%)	95.0	[91.0, 99.0]	91.0	[87.0, 95.0]	87.0	[83.0, 95.0]	83.0	[79.0, 95.0]
Latency	Latency Capacity (%)	90.0	[86.0, 94.0]	86.0	[82.0, 90.0]	82.0	[78.0, 90.0]	78.0	[74.0, 90.0]
Throughput	Throughput Performance (%)	97.0	[93.0, 99.0]	93.0	[89.0, 97.0]	89.0	[85.0, 97.0]	85.0	[81.0, 97.0]
Latency	Latency Performance (%)	92.0	[88.0, 96.0]	88.0	[84.0, 92.0]	84.0	[80.0, 92.0]	80.0	[76.0, 92.0]
Throughput	Throughput Efficiency (%)	94.0	[90.0, 98.0]	90.0	[86.0, 94.0]	86.0	[82.0, 94.0]	82.0	[78.0, 94.0]
Latency	Latency Efficiency (%)	89.0	[85.0, 93.0]	85.0	[81.0, 89.0]	81.0	[77.0, 89.0]	77.0	[73.0, 89.0]
Throughput	Throughput Capacity (%)	96.0	[92.0, 99.0]	92.0	[88.0, 96.0]	88.0	[84.0, 96.0]	84.0	[80.0, 96.0]
Latency	Latency Capacity (%)	91.0	[87.0, 95.0]	87.0	[83.0, 91.0]	83.0	[79.0, 91.0]	79.0	[75.0, 91.0]
Throughput	Throughput Performance (%)	98.0	[94.0, 100.0]	94.0	[90.0, 100.0]	90.0	[86.0, 100.0]	86.0	[82.0, 100.0]
Latency	Latency Performance (%)	93.0	[89.0, 97.0]	89.0	[85.0, 93.0]	85.0	[81.0, 93.0]	81.0	[77.0, 93.0]
Throughput	Throughput Efficiency (%)	95.0	[91.0, 99.0]	91.0	[87.0, 95.0]	87.0	[83.0, 95.0]	83.0	[79.0, 95.0]
Latency	Latency Efficiency (%)	89.0	[85.0, 93.0]	85.0	[81.0, 89.0]	81.0	[77.0, 89.0]	77.0	[73.0, 89.0]
Throughput	Throughput Capacity (%)	97.0	[93.0, 100.0]	93.0	[89.0, 100.0]	89.0	[85.0, 100.0]	85.0	[81.0, 100.0]
Latency	Latency Capacity (%)	92.0	[88.0, 100.0]	88.0	[84.0, 100.0]	84.0	[80.0, 100.0]	80.0	[76.0, 100.0]
Throughput	Throughput Performance (%)	99.0	[95.0, 100.0]	95.0	[91.0, 100.0]	91.0	[87.0, 100.0]	87.0	[83.0, 100.0]
Latency	Latency Performance (%)	94.0	[90.0, 100.0]	90.0	[86.0, 100.0]	86.0	[82.0, 100.0]	82.0	[78.0, 100.0]
Throughput	Throughput Efficiency (%)	96.0	[92.0, 100.0]	92.0	[88.0, 100.0]	88.0	[84.0, 100.0]	84.0	[80.0, 100.0]
Latency	Latency Efficiency (%)	91.0	[87.0, 100.0]	87.0	[83.0, 100.0]	83.0	[79.0, 100.0]	79.0	[75.0, 100.0]
Throughput	Throughput Capacity (%)	98.0	[94.0, 100.0]	94.0	[90.0, 100.0]	90.0	[86.0, 100.0]	86.0	[82.0, 100.0]
Latency	Latency Capacity (%)	93.0	[89.0, 100.0]	89.0	[85.0, 100.0]	85.0	[81.0, 100.0]	81.0	[77.0, 100.0]
Throughput	Throughput Performance (%)	99.5	[95.5, 100.0]	95.5	[91.5, 100.0]	91.5	[87.5, 100.0]	87.5	[83.5, 100.0]
Latency	Latency Performance (%)	94.5	[90.5, 100.0]	90.5	[86.5, 100.0]	86.5	[82.5, 100.0]	82.5	[78.5, 100.0]
Throughput	Throughput Efficiency (%)	96.5	[92.5, 100.0]	92.5	[88.5, 100.0]	88.5	[84.5, 100.0]	84.5	[80.5, 100.0]
Latency	Latency Efficiency (%)	91.5	[87.5, 100.0]	87.5	[83.5, 100.0]	83.5	[79.5, 100.0]	79.5	[75.5, 100.0]
Throughput	Throughput Capacity (%)	98.5	[94.5, 100.0]	94.5	[90.5, 100.0]	90.5	[86.5, 100.0]	86.5	[82.5, 100.0]
Latency	Latency Capacity (%)	93.5	[89.5, 100.0]	89.5	[85.5, 100.0]	85.5	[81.5, 100.0]	81.5	[77.5, 100.0]
Throughput	Throughput Performance (%)	99.8	[95.8, 100.0]	95.8	[91.8, 100.0]	91.8	[87.8, 100.0]	87.8	[83.8, 100.0]
Latency	Latency Performance (%)	94.8	[90.8, 100.0]	90.8	[86.8, 100.0]	86.8	[82.8, 100.0]	82.8	[78.8, 100.0]
Throughput	Throughput Efficiency (%)	96.8	[92.8, 100.0]	92.8	[88.8, 100.0]	88.8	[84.8, 100.0]	84.8	[80.8, 100.0]
Latency	Latency Efficiency (%)	91.8	[87.8, 100.0]	87.8	[83.8, 100.0]	83.8	[79.8, 100.0]	79.8	[75.8, 100.0]
Throughput	Throughput Capacity (%)	98.8	[94.8, 100.0]	94.8	[90.8, 100.0]	90.8	[86.8, 100.0]	86.8	[82.8, 100.0]
Latency	Latency Capacity (%)	93.8	[89.8, 100.0]	89.8	[85.8, 100.0]	85.8	[81.8, 100.0]	81.8	[77.8, 100.0]
Throughput	Throughput Performance (%)	99.9	[95.9, 100.0]	95.9	[91.9, 100.0]	91.9	[87.9, 100.0]	87.9	[83.9, 100.0]
Latency	Latency Performance (%)	94.9	[90.9, 100.0]	90.9	[86.9, 100.0]	86.9	[82.9, 100.0]	82.9	[78.9, 100.0]
Throughput	Throughput Efficiency (%)	96.9	[92.9, 100.0]	92.9	[88.9, 100.0]	88.9	[84.9, 100.0]	84.9	[80.9, 100.0]
Latency	Latency Efficiency (%)	91.9	[87.9, 100.0]	87.9	[83.9, 100.0]	83.9	[79.9, 100.0]	79.9	[75.9, 100.0]
Throughput	Throughput Capacity (%)	98.9	[94.9, 100.0]	94.9	[90.9, 100.0]	90.9	[86.9, 100.0]	86.9	[82.9, 100.0]
Latency	Latency Capacity (%)	93.9	[89.9, 100.0]	89.9	[85.9, 100.0]	85.9	[81.9, 100.0]	81.9	[77.9, 100.0]
Throughput	Throughput Performance (%)	99.95	[95.95, 100.0]	95.95	[91.95, 100.0]	91.95	[87.95, 100.0]	87.95	[83.95, 100.0]
Latency	Latency Performance (%)	94.95	[90.95, 100.0]	90.95	[86.95, 100.0]	86.95	[82.95, 100.0]	82.95	[78.95, 100.0]
Throughput	Throughput Efficiency (%)	96.95	[92.95, 100.0]	92.95	[88.95, 100.0]	88.95	[84.95, 100.0]	84.95	[80.95, 100.0]
Latency	Latency Efficiency (%)	91.95	[87.95, 100.0]	87.95	[83.95, 100.0]	83.95	[79.95, 100.0]	79.95	[75.95, 100.0]
Throughput	Throughput Capacity (%)	98.95	[94.95, 100.0]	94.95	[90.95, 100.0]	90.95	[86.95, 100.0]	86.95	[82.95, 100.0]
Latency	Latency Capacity (%)	93.95	[89.95, 100.0]	89.95	[85.95, 100.0]	85.95	[81.95, 100.0]	81.95	[77.95, 100.0]
Throughput	Throughput Performance (%)	99.99	[95.99, 100.0]	95.99	[91.99, 100.0]	91.99	[87.99, 100.0]	87.99	[83.99, 100.0]
Latency	Latency Performance (%)	94.99	[90.99, 100.0]	90.99	[86.99, 100.0]	86.99	[82.99, 100.0]	82.99	[78.99, 100.0]
Throughput	Throughput Efficiency (%)	96.99	[92.99, 100.0]	92.99	[88.99, 100.0]	88.99	[84.99, 100.0]	84.99	[80.99, 100.0]
Latency	Latency Efficiency (%)	91.99	[87.99, 100.0]	87.99	[83.99, 100.0]	83.99	[79.99, 100.0]	79.99	[75.99, 100.0]
Throughput	Throughput Capacity (%)	98.99	[94.99, 100.0]	94.99	[90.99, 100.0]	90.99	[86.99, 100.0]	86.99	[82.99, 100.0]
Latency	Latency Capacity (%)	93.99	[89.99, 100.0]	89.99	[85.99, 100.0]	85.99	[81.99, 100.0]	81.99	[77.99, 100.0]
Throughput	Throughput Performance (%)	99.995	[95.995, 100.0]	95.995	[91.995, 100.0]	91.995	[87.995, 100.0]	87.995	[83.995, 100.0]
Latency	Latency Performance (%)	94.995	[90.995, 100.0]	90.995	[86.995, 100.0]	86.995	[82.995, 100.0]	82.995	[78.995, 100.0]
Throughput	Throughput Efficiency (%)	96.995	[92.995, 100.0]	92.995	[88.995, 100.0]	88.995	[84.995, 100.0]	84.995	[80.995, 100.0]
Latency	Latency Efficiency (%)	91.995	[87.995, 100.0]	87.995	[83.995, 100.0]	83.995	[79.995, 100.0]	79.995	[75.995, 100.0]
Throughput	Throughput Capacity (%)	98.995	[94.995, 100.0]	94.995	[90.995, 100.0]	90.995	[86.995, 100.0]	86.995	[82.995, 100.0]
Latency	Latency Capacity (%)	93.995	[89.995, 100.0]	89.995	[85.995, 100.0]	85.995	[81.995, 100.0]	81.995	[77.995, 100.0]
Throughput	Throughput Performance (%)	99.999	[95.999, 100.0]	95.999	[91.999, 100.0]	91.999	[87.999, 100.0]	87.999	[83.999, 100.0]
Latency	Latency Performance (%)	94.999	[90.999, 100.0]	90.999	[86.999, 100.0]	86.999	[82.999, 100.0]	82.999	[78.999, 100.0]
Throughput	Throughput Efficiency (%)	96.999	[92.999, 100.0]	92.999	[88.999, 100.0]	88.999	[84.999, 100.0]	84.999	[80.999, 100.0]
Latency	Latency Efficiency (%)	91.999	[87.999, 100.0]	87.999	[83.999, 100.0]	83.999	[79.999, 100.0]	79.999	[75.999, 100.0]
Throughput	Throughput Capacity (%)	98.999	[94.999, 100.0]	94.999	[90.999, 100.0]	90.999	[86.999, 100.0]	86.999	[82.999, 100.0]
Latency	Latency Capacity (%)	93.999	[89.999, 100.0]	89.999	[85.999, 100.0]	85.999	[81.999, 100.0]	81.999	[77.999, 100.0]
Throughput	Throughput Performance (%)	99.9995	[95.9995, 100.0]	95.9995	[91.9995, 100.0]	91.9995	[87.9995, 100.0]	87.9995	[83.9995, 100.0]
Latency	Latency Performance (%)	94.9995	[90.9995, 100.0]	90.9995	[86.9995, 100.0]	86.9995	[82.9995, 100.0]	82.9995	[78.9995, 100.0]
Throughput	Throughput Efficiency (%)	96.9995	[92.9995, 100.0]	92.9995	[88.9995, 100.0]	88.9995	[84.9995, 100.0]	84.9995	[80.9995, 100.0]
Latency	Latency Efficiency (%)	91.9995	[87.9995, 100.0]	87.9995	[83.9995, 100.0]	83.9995	[79.9995, 100.0]	79.9995	[75.9995, 100.0]
Throughput	Throughput Capacity (%)	98.9995	[94.9995, 100.0]	94.9995	[90.9995, 100.0]	90.9995	[86.9995, 100.0]	86.9995	[82.9995, 100.0]
Latency	Latency Capacity (%)	93.9995	[89.9995, 100.0]	89.9995	[85.9995, 100.0]	85.9995	[81.9995, 100.0]	81.9995	[77.9995, 100.0]
Throughput	Throughput Performance (%)	99.9999	[95.9999, 100.0]	95.9999	[91.9999, 100.0]	91.9999	[87.9999, 100.0]	87.9999	[83.9999, 100.0]
Latency	Latency Performance (%)	94.9999	[90.9999, 100.0]	90.9999	[86.9999, 100.0]	86.9999	[82.9999, 100.0]	82.9999	[78.9999, 100.0]
Throughput	Throughput Efficiency								

LABORATORIES

679

Report Summary - Q3 2023 Performance									
Category	Parameter	Current Value		Historical Range		Performance Status		Operational Metrics	
		Actual	Target	Min	Max	Pass/Fail	Alert Level	Avg. Util.	Std Dev.
System Health	Uptime (%)	98.5	99.0	97.0	99.5	Pass	Low	98.2	1.5
Resource Utilization	CPU Usage (%)	35.2	30.0	25.0	40.0	Pass	Medium	34.5	2.8
Network Performance	Latency (ms)	15.0	12.0	10.0	20.0	Pass	Low	14.5	1.2
Storage Capacity	Free Space (GB)	1200	1500	500	2000	Pass	Medium	1300	100
Security Measures	Incident Rate	0.5	0.8	0.2	1.0	Pass	Low	0.6	0.3
Compliance Status	Audit Score	92	95	85	100	Pass	Medium	91	3
Customer Satisfaction	NPS Score	78	80	65	90	Pass	Medium	77	2
Market Share	Global Rank	12	10	5	20	Pass	Low	11	3
Financial Health	Revenue Growth	5.2%	6.0%	-2.0%	10.0%	Pass	Medium	5.5%	1.0
Risk Management	Exposure Score	75	80	50	100	Pass	Medium	78	2
Regulatory Compliance	Non-Compliance	0	2	0	5	Pass	Low	0	0
Employee Satisfaction	Employee Turnover	2.5%	3.0%	1.5%	4.0%	Pass	Medium	2.8%	0.5
Productivity Metrics	Completion Rate	95%	98%	85%	100%	Pass	Medium	94%	1.5
Quality Assurance	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Customer Support	Avg. Response Time	15m	10m	5m	30m	Pass	Low	18m	3
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium	Medium	1.5
Technological Trends	Technology Adoption	85%	90%	70%	100%	Pass	Medium	88%	2
Competitor Analysis	Competitor Score	75	85	60	100	Pass	Medium	78	2
Brand Perception	Brand Perception	75	85	60	100	Pass	Medium	78	2
Employee Engagement	Employee Satisfaction	75	85	60	100	Pass	Medium	78	2
Customer Loyalty	Customer Loyalty	75	85	60	100	Pass	Medium	78	2
Product Quality	Defect Density	0.8	1.0	0.5	1.5	Pass	Medium	0.9	0.2
Logistics Efficiency	Delivery On-Time	98.0%	99.0%	95.0%	100.0%	Pass	Medium	97.5%	1.0
Supply Chain Stability	Inventory Turnover	4.5	5.0	3.0	6.0	Pass	Medium	4.8	0.5
Environmental Impact	Carbon Footprint	10t CO2	8t CO2	5t CO2	15t CO2	Pass	Medium	9.5t CO2	0.8
Sustainability Initiatives	Renewable Energy	30%	40%	10%	50%	Pass	Medium	32%	1.2
Strategic Partnerships	Partnership Index	75	85	60	100	Pass	Medium	78	2
Innovation & Research	Patent Applications	120	150	80	200	Pass	Medium	130	10
Product Portfolio	New Product Launches	5	8	2	15	Pass	Medium	5.5	1.5
Market Expansion	Global Expansion	30%	40%	10%	50%	Pass	Medium	32%	2.0
Geopolitical Risk	Geopolitical Index	75	85	60	100	Pass	Medium	78	2
Regulatory Changes	Regulatory Impact	High	Medium	Low	Very High	Pass	Medium		

Errors	QC Pass						
Value	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000
Range	200.,0000	60.,00000	200.,0000	5.,000000	5.,000000	5000.,000	10.,00000
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avge	-,002373	4.979456	14.26445	3.621332	-20.7874	2.339427	3.533138
SDev	,001075	1.761463	12.41632	15.31549	4.9201	1.653679	4.996613
%RSD	45.28378	35.37461	87.04378	422.9742	23.66852	70.68734	141.4214
#1	-,001613	6.224998	23.04412	-7.20835	-17.3084	3.508755	,0000000
#2	-,003133	3.733913	5.484790	14.45102	-24.2664	1.170100	7.066277
Errors	QC Pass						
Value	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000
Range	50.,00000	25.,00000	100.,0000	30.,00000	5000.,000	15.,00000	40.,00000
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avge	-455.385	-1.91508	44.65326	5.013241	4.055702	29.40337	-109.392
SDev	361.182	,89825	1.74721	2.364129	,009703	24.27622	60.160
%RSD	79.31345	46.90428	3.912845	47.15769	,2392404	82.56271	54.99462
#1	-710.779	-2.55024	43.41779	6.684932	4.062563	46.56925	-66.8528
#2	-199.991	-1.27992	45.88873	3.341549	4.048841	12.23749	-151.932
Errors	QC Pass	NOCHECK	NOCHECK				
Value	,0000000	,0000000	,0000000	,0000000	,0000000		
Range	5000.,000	10.,00000	5000.,000	50.,00000	20.,00000		
Elem	Tl11908						
Units	ug/L						
Avge	,220802						
SDev	14.48850						
%RSD	6561.766						
#1	10.02412						
#2	-10.4657						
Errors	NOCHECK						
Value							
Range							

Method: EPACLP Sample Name: ICSAI3

Operator: RRB

Run Time: 05/28/92 22:22:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2286	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	489719.0	-43.4850	9.716915	-2.43751	-,543281	472573.4	12.99153
SDev	5794.1	54.6967	,916120	,00044	,116851	3975.8	,14141
%RSD	1.183157	125.7831	9.428096	,0181140	21.50846	,8413076	1.088513
#1	493816.1	0-82.1614	9.069120	-2.43720	-,625907	475384.8	13.09152
#2	485621.9	-4.80853	10.36471	-2.43782	-,460654	469762.1	12.89153

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	540055.0	,0000000	,0000000	,0000000	,0000000	494040.0	,0000000
Range	108011.0	60.00000	200.0000	5.000000	5.000000	98808.00	31.00000
ELEM	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	6.139557	17.90242	179714.5	92.96225	473127.7	22.05252	23.56007
SDev	1.642164	,05664	1710.2	6.86421	6039.6	,13176	9.99478
%RSD	26.74727	,3163816	,9515982	7.383868	1.276531	,5974637	42.42255
#1	7.300742	17.86237	180923.8	988.10852	477398.3	21.95935	30.62745
#2	4.978372	17.94247	178505.2	997.81598	468857.0	22.14568	16.49269
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	,0000000	,0000000	206236.0	,0000000	531358.0	,0000000	,0000000
Range	50.00000	40.00000	41247.20	30.00000	106271.6	49.00000	40.00000
ELEM	K_7664	Aq3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-586.911	-6.23978	1622.696	7.307186	203.3746	Q336.3259	Q247.6311
SDev	144.600	1.06017	24.461	,280276	5.5024	199.5260	94.3246
%RSD	24.63749	16.99057	1.507432	3.835620	2.705555	59.32519	38.09076
#1	-689.158	-5.49013	1639.992	7.109001	207.2654	Q477.4121	180.9335
#2	-484.663	-6.98944	1605.399	7.505371	199.4838	195.2397	Q314.3286
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000	,0000000
Range	5000.000	10.00000	5000.000	50.00000	256.0000	200.0000	200.0000
ELEM	Tl1908						
Units	ug/L						
Avg	-80.2216						
SDev	237.3564						
%RSD	295.8760						
#1	87.61475						
#2	-248.058						
Errors	QC Pass						
Value	,0000000						
Range	500.0000						

Method: EPACLP_ Sample Name: ICSAB13 Operator: RRB

Run Time: 05/28/92 22:30:26

Comments:

Model CONC Corr. Factor: 1

ELEM	A13082	Bb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	487199.2	446.8834	425.6009	467.5121	896.8577	472606.4	481.4456
SDev	5558.9	56.1241	6.4128	6.8548	2.5083	4129.0	5.8371
%RSD	1.140986	12.55899	1.506768	1.466225	,2796789	,8736694	1.212417
#1	483268.5	486.5691	421.0663	462.6650	898.6313	469686.8	477.3182

#2	491129.9	407.1977	430.1354	472.3592	895.0840	475526.1	485.5731
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	536472.0	500.0000	502.0000	480.0000	907.0000	512228.0	529.0000
Range	107294.4	100.0000	100.4000	96.00000	181.4000	102445.6	105.8000
ELEM	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	436.5509	474.6999	179942.6	4447.178	472746.4	446.4660	881.3424
SDev	.1396	5.2165	1828.1	54.681	5200.4	4.8496	29.9795
%RSD	.0319868	1.099325	1.015931	1.229558	1.100076	1.086224	3.401576
#1	436.6497	471.0099	178649.9	4408.513	469069.1	443.0368	860.1437
#2	436.4522	478.3899	181235.2	4485.843	476423.8	449.8952	902.5411
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	477.0000	543.0000	199845.0	4724.000	527530.0	496.0000	940.0000
Range	95.40000	108.6000	39969.00	944.8000	105506.0	99.20000	188.0000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-315.301	875.8401	1647.229	448.4510	1188.715	1062.491	1031.303
SDev	201.293	8.2594	11.731	4.4264	19.615	210.033	360.771
%RSD	63.84164	.9430299	.7121846	.9870441	1.650083	19.76799	34.98204
#1	-172.965	869.9998	1638.933	445.3210	1202.585	91211.007	Q1286.407
#2	-457.637	881.6804	1655.524	451.5809	1174.845	913.9751	Q776.1999
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	960.0000		509.0000	1208.000	1000.000	1000.000	1000.000
Range	192.0000		101.8000	241.6000	200.0000	200.0000	200.0000
ELEM	Tl1908						
Units	ug/L						
Avg	766.0873						
SDev	410.2378						
%RSD	53.54974						
#1	1056.169						
#2	Q476.0054						
Errors	QC Pass						
Value	1000.000						
Range	400.0000						

Method: EPACLP Sample Name: CRII3

Operator: RRB

Run Time: 05/28/92 22:34:09

Comments:

Mode: CONC Corr. Factor: 1

ELEM	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
Avg	526.5447	57.92975	357.5825	8.338354	10.43570	9939.947	21.75080
SDev	28.7443	62.48117	1.8323	.000005	.01584	79.932	3.79554
%RSD	5.459050	63.80203	.5124041	.0000647	.1517912	.8041498	17.45010

#1	506.2194	53.74889	356.2868	8.338350	10.44690	9883.427	24.43465
#2	546.8701	142.1106	358.8780	8.338358	10.42450	9996.468	19.06695
Errors	QC Pass						
Value	400.0000	120.0000	400.0000	10.00000	10.00000	10000.00	20.00000
Range	400.0000	120.0000	400.0000	10.00000	10.00000	10000.00	20.00000
ELEM	Cd2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
AvgE	97.33684	42.30987	312.7340	100.7253	9700.492	25.55048	78.99886
SDev	3.53132	1.76106	24.8313	.0766	122.344	1.65499	4.99995
ZRSD	3.627938	4.162300	7.940070	.0760813	1.261214	6.477344	6.329143
#1	99.83385	41.06461	295.1756	100.7795	9613.981	26.72074	82.53436
#2	94.83981	43.55513	330.2924	100.6711	9787.002	24.38023	75.46336
Errors	QC Pass						
Value	100.0000	50.00000	200.0000	60.00000	10000.00	30.00000	80.00000
Range	100.0000	50.00000	200.0000	60.00000	10000.00	30.00000	80.00000
ELEM	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
AvgE	8877.978	17.34378	9255.049	96.92294	47.21634	54.70813	218.7586
SDev	90.454	1.84827	2.496	.00315	.00798	20.57701	42.9728
ZRSD	1.016863	10.65665	.0269721	.0032450	.0168986	37.61234	19.64393
#1	8814.018	16.03685	9253.284	96.92516	47.21070	40.15799	188.3723
#2	8941.940	18.65070	9256.815	96.92072	47.22198	69.25827	249.1450
Errors	QC Pass						
Value	10000.00	20.00000	10000.00	100.0000	40.00000	60.00000	120.0000
Range	10000.00	20.00000	10000.00	100.0000	40.00000	500.0000	500.0000
ELEM	Tl11908						
Units	ug/L						
AvgE	76.70814						
SDev	14.29863						
ZRSD	18.64030						
#1	66.59748						
#2	86.81879						
Errors	QC Pass						
Value	180.0000						
Range	500.0000						

Method: EPACLF Sample Name: MERA02A (Sb 120ug/L) Operator: RRB
 Run Time: 05/28/92 22:38:46
 Comment:
 Model: CONC Corr.: Factor: 1

ELEM	Al30B2	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L						
AvgE	44637.54	126.7743	298.6332	.4622954	2.836473	3771.563	108.1925
SDev	33.91	16.7494	2.7484	.8613421	5.370776	132.387	3.8038
ZRSD	.0759691	13.21201	.9203158	186.3185	189.3470	3.510143	3.515785

#1	44613.56	138.6179	300.5766	1.071356	- .961240	3865.175	105.5028
#2	44661.52	114.9306	296.6898	- .146765	6.634185	3677.951	110.8822
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	65.94233	102.4176	145050.6	74.81522	12494.38	2265.395	122.5446
SDev	5.33147	1.7451	395.7	.16955	29.93	12.408	16.6503
%RSD	8.082598	1.703863	.2728190	.2266219	.2395572	.5476976	13.58718
#1	69.73225	101.1836	144770.8	74.93511	12473.22	2256.622	110.7710
#2	62.19241	103.6515	145330.4	74.69534	12515.55	2274.169	134.3181
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4788.523	2.711369	269.5080	91.55898	338.3221	1.214.941	38.80658
SDev	538.268	2.801261	6.2401	2.29891	5.6597	53.688	34.39308
%RSD	11.24080	103.3154	2.315350	2.510847	1.672868	24.97820	88.62693
#1	4407.910	.7305784	265.0956	89.93341	334.3201	1.252.904	63.12616
#2	5169.136	4.692160	273.9204	93.18456	342.3241	1.176.977	14.48700
Elem	Tl1908						
Units	ug/L						
Avge	3.750000						
SDev	211.5123						
%RSD	5640.328						
#1	153.3118						
#2	L-145.812						

Method: EPADLP Sample Name: ICSAF3

Operator: RRB

Run Time: 05/28/92 22:46:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	498061.8	56.60028	8.421327	-2.44210	-2.21804	479762.2	18.60908
SDev	7710.7	20.91325	.916119	.00060	2.63371	5219.7	3.98095
%RSD	1.548148	36.94903	10.87856	.0246451	118.7402	1.087983	21.39250
#1	492609.5	971.38818	9.069120	-2.44253	-.355729	476071.2	15.79412
#2	503514.2	41.81238	7.773532	-2.44167	-4.08035	483453.1	21.42403
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2.205643	7.855061	182337.1	057.66854	482305.7	20.10513	35.33348
SDev	3.367933	.074830	2318.5	26.65793	7394.2	2.64153	3.33426
%RSD	152.6962	.9526370	1.271542	.46.23415	1.533097	13.13857	9.436552
#1	-.175845	7.907974	180697.7	038.60853	477077.2	21.97297	32.97580
#2	4.587131	7.802148	183976.6	076.50854	487534.2	18.23729	37.69116
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

Avg	-167.560	-4.28129	1644.758	10.22110	207.0799	124.4607	29.15298
SDev	335.064	1.76741	16.224	.38209	11.2132	11.2167	8.87829
%RSD	199.9667	41.28216	.9864177	3.738199	5.414901	7.012234	30.45416
#1	69.36624	-3.03154	1633.285	10.49128	199.1510	132.3921	22.87507
#2	-404.486	-5.53104	1656.230	9.950928	215.0088	116.5293	35.43088
ELEM	Tl1906						
Units	ug/L						
Avg	55.04419						
SDev	330.5859						
%RSD	600.5827						
#1	-178.715						
#2	288.8037						

Method: EPACLP Sample Name: ICSABF3 Operator: RRB

Run Time: 05/28/92 22:50:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Bb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	482899.9	431.9938	426.8964	456.6024	885.3824	465637.3	469.1188
SDev	2781.4	49.2634	4.5806	1.7119	8.0908	1157.3	3.8418
%RSD	.5759795	11.40836	1.072998	.3749163	.9138165	.2485486	.8189321
#1	484866.7	466.8425	430.1354	457.8128	879.6614	466455.7	471.8353
#2	480933.2	9397.1452	423.6575	455.3919	891.1035	464819.0	466.4022
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2314
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	434.2453	462.3365	177396.8	4394.817	467326.6	436.6122	847.1865
SDev	7.0043	1.7335	626.9	13.397	2831.1	2.4130	38.3139
%RSD	1.612978	.3749432	.3534166	.3048375	.6058030	.5526558	4.522490
#1	439.1981	463.5623	177840.1	4385.344	469328.5	438.3185	874.2786
#2	429.2925	461.1107	176953.4	4404.291	465324.8	434.9060	820.0945
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-242.782	865.9823	1609.106	443.8569	1148.388	1046.728	1019.043
SDev	252.891	.0298	.250	2.2614	15.180	1.185	34.488
%RSD	104.1638	.0034388	.0155081	.5094914	1.321884	.1131728	3.384336
#1	-421.603	866.0034	1608.929	445.4659	1159.122	1045.890	1043.430
#2	-63.9611	865.9612	1609.282	442.2578	1137.653	1047.565	994.6567
ELEM	Tl1908						
Units	ug/L						
Avg	660.4493						
SDev	401.0799						
%RSD	60.72834						
#1	944.0557						
#2	9376.8430						

Method:	EPACLP	Sample Name:	CRIF3	Operator:	RRB		
Run Time:	05/28/92	23:01:31					
Comments:							
Mode:	CONC	Corr. Factor:	1				
Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	477.7166	114.3602	402.9574	11.18901	17.48685	10275.32	34.12271
SDev	6.9766	6.5061	5.0431	1.78115	1.40027	94.76	.00114
%RSD	1.460404	5.689173	1.251516	15.91875	7.917016	.9222562	.0033438
#1	472.7834	118.9607	399.3914	9.929549	18.67699	10208.31	34.12190
#2	482.6498	109.7596	406.5234	12.44848	16.69671	10342.32	34.12352
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	104.9008	56.35735	266.7181	68.11689	10241.34	31.96807	89.55934
SDev	.0059	1.90142	6.5889	53.72830	57.44	.00054	14.05729
%RSD	.0056519	3.373854	2.470346	78.87663	.5608980	.0016876	15.69606
#1	104.9050	57.70186	262.0591	106.1085	10200.72	31.96845	79.61934
#2	104.8966	55.01285	271.3771	30.12524	10281.95	31.96769	99.49935
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	10199.70	18.36051	10162.49	108.6770	61.60439	41.51675	123.5965
SDev	191.60	1.95519	139.89	2.5261	.04150	.13667	78.6734
%RSD	1.878442	10.64890	1.376537	2.320172	.0673732	.3291837	63.65341
#1	10335.18	16.97798	10063.57	107.0908	61.63373	41.61339	179.2269
#2	10064.23	19.74304	10261.41	110.6633	61.57503	41.42012	67.96600
Elem	Tl1908						
Units	ug/L						
Avge	-50.0240						
SDev	78.4806						
%RSD	156.8860						
#1	5.470197						
#2	-105.518						

Method:	EPACLP	Sample Name:	CCV10	Operator:	RRB		
Run Time:	05/28/92	23:03:29					
Comments:							
Mode:	CONC	Corr. Factor:	1				
Elem	A13082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	24898.70	4911.692	5002.377	5031.719	5028.951	25338.04	5063.476
SDev	240.23	108.029	52.448	41.839	96.058	227.26	61.808
%RSD	.9648399	2.199422	1.048464	.8315073	1.910095	.8969132	1.220670
#1	24728.83	4968.080	4965.291	5002.134	4961.028	25177.35	5019.771
#2	25068.57	4835.304	5039.464	5061.304	5096.874	25498.74	5107.181

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L						
Avg	5073.384	4990.786	25321.26	5105.841	24753.81	5042.051	5158.695
SDev	63.025	56.928	270.12	64.831	262.23	57.704	98.461
ZRSD	1.242261	1.140668	1.066778	1.269737	1.059370	1.144464	1.908638
#1	5028.818	4950.531	25130.25	5059.999	24568.38	5001.248	5089.073
#2	5117.949	5031.040	25512.26	5151.684	24939.24	5082.854	5228.318
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L						
Avg	24981.39	1004.515	24803.44	5030.287	5065.461	5068.947	5054.571
SDev	488.95	12.974	231.35	70.651	83.389	81.574	270.960
ZRSD	1.957243	1.291544	.9327207	1.404504	1.646218	1.609285	5.360685
#1	24635.65	995.3408	24639.85	4980.330	5006.496	5011.266	4862.974
#2	25327.12	1013.688	24967.03	5080.245	5124.425	5126.629	5246.168
Elem	Tl1908						
Units	ug/L						
Avg	5133.267						
SDev	42.567						
ZRSD	.8292434						
#1	5103.167						
#2	5163.366						

Method: EPACLP Sample Name: CCB10

Operator: RRB

Run Time: 05/28/92 23:05:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	Cd2288	Ca3158	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-2.94343	13.70522	-1.42640	-6.628324	3.949536	5.584062	1.412445
SDev	21.12142	10.77161	.00000	.896546	1.403055	5.264706	5.987273
ZRSD	717.5774	78.59497	.0000000	142.6885	35.52455	94.28093	423.8943
#1	11.99167	6.088538	-1.42640	.0056298	2.957426	9.306771	5.646086
#2	-17.8785	21.32190	-1.42640	-1.26228	4.941646	1.861353	-2.82120
Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.003628	2.683127	3.493780	18.99854	-26.0137	-2.47210	8.697509
SDev	.003648	1.900305	3.292316	5.34693	21.0050	.00019	8.785811
ZRSD	100.5581	70.82426	94.23364	28.14388	80.74579	.0078357	101.0153
#1	-.006208	1.339409	5.821798	22.77939	-40.8665	-2.47224	14.91002
#2	-.001048	4.026846	1.165761	15.21769	-11.1610	-2.47197	2.485002
Elem	K_7664	Ag3280	Na5889	V_2924	Zn2138	As1936	Se1960
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-212.686	-1.38259	5.739898	-1.78730	13.76125	-2.49869	-49.4485
SDev	35.709	.00789	18.94070	2.52762	1.97512	7.02156	43.7052
ZRSD	16.78975	.5709471	329.9832	141.4210	14.35279	281.0102	88.36535

#1	-237.936	-1.38817	19.13299	-3.57461	12.36462	2.466309	-80.3527
#2	-187.436	-1.37701	-7.65320	-0.000005	15.15787	-7.46368	-18.5442
Elem	Tl11906						
Units	ug/L						
Avg	-11.1392						
SDev	62.7291						
%RSD	563.1359						
#1	-35.4954						
#2	33.21690						

DATA CHEM
LABORATORIES

Element File: AA2AS.GEL Element: As Wavelength: 193.7
Date: 05/15/92 Time: 08:20 Slit: 0.7 L
Data File: MYH766A1.DAT ID/Wt File: MYH766A1.IDW Lamp Current: 0
Technique: HGA Calib. Type: Nonlinear Energy: 57

As ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/15/92

Replicate 1 Time: 08:20
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.101
Blank Corrected Pk Area (A-s): -0.000

Replicate 2 Time: 08:22
Peak Area (A-s): -0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): -0.002

Mean Pk Area (A-s): -0.001 SD: 0.0016 RSD(%): 125.60

Auto-zero performed.

As ID: S10 Seq. No.: 00002 A/S Pos.: 2 Date: 05/15/92

Replicate 1 Time: 08:24
Peak Area (A-s): 0.026 Peak Height (A): 0.053
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.027

Replicate 2 Time: 08:26
Peak Area (A-s): 0.027 Peak Height (A): 0.051
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.029

Mean Pk Area (A-s): 0.028 SD: 0.0009 RSD(%): 3.19

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0028

As ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/15/92

Replicate 1 Time: 08:28
Peak Area (A-s): 0.045 Peak Height (A): 0.105
Background Pk Area (A-s): 0.182 Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 16.63

Replicate 2 Time: 08:30
Peak Area (A-s): 0.038 Peak Height (A): 0.096
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.151
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 13.99

Mean Conc (ug/L): 15.31 SD: 1.863 RSD(%): 12.17

Standard number 2 applied. [20.00]

1

DATACHEM LABORATORIES - GFAA ANALYSIS

Date = 05/15/92
Analyte = Arsenic
SDG = MYH 766
Case = 18014
SDG = MERA 01
Case = 19026
Run #11

Instrument = AAS-ZEE
Data file = MERA T.C. 5/15/92
Analyst = Tanya Cherlin

2

Correlation coefficient: 1.00000 Slope: 0.0040

AS ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/15/92

Sample abs. exceeds the range of the calibration function.

Replicate 1 Time: 08:32

Peak Area (A-s): 0.130 Peak Height (A): 0.235

Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.061

Blank Corrected pk Area (A-s): 0.132

Concentration ($\mu\text{g/L}$): -----

Sample abs. exceeds the range of the calibration function.

Replicate 2 Time: 08:34

Peak Area (A-s): 0.136 Peak Height (A): 0.247

Background Pk Area (A-s): 0.972 Background Pk Height (A): 0.071

Blank Corrected Pt Area (A-s): 0.137

Concentration ($\mu\text{g/L}$): -----

Sample abs. > exceeds the range of the calibration function.

Mean Conc. (ug/L): ---- SD: ---- RSD(%): ----

S-shaped calibration curve detected; 2-coef. equation used.

Standard number 3 applied. [50.00]

Correlation coefficient: 0.99172 Slope: 0.0025

As ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/15/92

Replicate 1 Time: 08:36

Peak Area (A-s): 0.262 Peak Height (A): 0.470

Background Pk Area (A-S): 0.073 Background Pk Height (A): 0.077

Blank- Corrected Bl- Area (AUS): 0.263

Concentration ($\mu\text{g}/\text{L}$): 88.58

Replicate 2 Time: 08:38

Peak Area (A-s): 0.259 Peak Height (A): 0.513

Background Bk Area (A-S): 0.061 Background Bk Height (A): 0.081

Blank Corrected Br Area (A-S): 0.260

Concentration ($\mu\text{g/L}$): 87.56

Mean Conc. ($\mu\text{g/L}$): 98.97 SD: 0.727 RSD(%): 0.74

DATACHEM LABORATORIES – GFAA ANALYSIS

190

As ID: ICV Seq. No.: 00006 A/S Pos.: 6 Date: 05/15/92

3

Replicate 1 Time: 08:40
 Peak Area (A-s): 0.127 Peak Height (A): 0.255
 Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.058
 Blank Corrected Pk Area (A-s): 0.129
 Concentration (ug/L): 49.74

Replicate 2 Time: 08:42
 Peak Area (A-s): 0.127 Peak Height (A): 0.265
 Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.059

DATACHEM LABORATORIES - GFAA ANALYSIS

Blank Corrected Pk Area (A-s): 0.129
 Concentration (ug/L): 49.65

Mean Conc (ug/L): 49.69 SD: 0.064 RSD(%): 0.13

As ID: ICB Seq. No.: 00007 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 08:45
 Peak Area (A-s): 0.003 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.075
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.84

Replicate 2 Time: 08:47
 Peak Area (A-s): 0.001 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.062
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.69

Mean Conc (ug/L): 1.27 SD: 0.816 RSD(%): 64.49

As ID: CCV1 Seq. No.: 00008 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 08:49
 Peak Area (A-s): 0.125 Peak Height (A): 0.265
 Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.067
 Blank Corrected Pk Area (A-s): 0.126
 Concentration (ug/L): 48.62

Replicate 2 Time: 08:51
 Peak Area (A-s): 0.129 Peak Height (A): 0.261
 Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.063
 Blank Corrected Pk Area (A-s): 0.130
 Concentration (ug/L): 50.39

Mean Conc (ug/L): 49.50 SD: 1.253 RSD(%): 2.53

As ID: CCB1 Seq. No.: 00009 A/S Pos.: 9 Date: 05/15/92

Replicate 1 Time: 08:53
 Peak Area (A-s): 0.001 Peak Height (A): 0.008

Background Pk Area (A-s): 0.051
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.05

Background Pk Height (A): 0.057

Replicate 2
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.057
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.34

Time: 08:55
Peak Height (A): 0.008
Background Pk Height (A): 0.071

Mean Conc (ug/L): 1.20 SD: 0.205 RSD(%): 17.16

As ID: CRA Seq. No.: 00010 A/S Pos.: 10 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.027
Background Pk Area (A-s): 0.067
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.84

Time: 08:57
Peak Height (A): 0.055
Background Pk Height (A): 0.067

Replicate 2
Peak Area (A-s): 0.026
Background Pk Area (A-s): 0.063
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 10.62

Time: 08:59
Peak Height (A): 0.060
Background Pk Height (A): 0.073

Mean Conc (ug/L): 10.73 SD: 0.152 RSD(%): 1.41

As ID: PBW(MYH766) Seq. No.: 00011 A/S Pos.: 11 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.040
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.62

Time: 09:01
Peak Height (A): 0.009
Background Pk Height (A): 0.053
Corrected Conc (ug/L): 0.69

Replicate 2
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.83

Time: 09:03
Peak Height (A): 0.007
Background Pk Height (A): 0.056
Corrected Conc (ug/L): 0.92

Mean Conc (ug/L): 0.72 SD: 0.151 RSD(%): 20.80
Corrected Conc (ug/L): 0.80

As ID: PBWA Seq. No.: 00012 A/S Pos.: 12 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.051
Background Pk Area (A-s): 0.046
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 20.28

Time: 09:05
Peak Height (A): 0.112
Background Pk Height (A): 0.056
Corrected Conc (ug/L): 22.53

Replicate 2
Peak Area (A-s): 0.054
Background Pk Area (A-s): 0.048

Time: 09:08
Peak Height (A): 0.112
Background Pk Height (A): 0.058

4

DATACHEM LABORATORIES - GFAA ANALYSIS

192

Blank Corrected Pk Area (A-s): 0.055

Concentration (ug/L): 21.43

Corrected Conc (ug/L): 23.81

Mean Conc (ug/L): 20.85

SD: 0.812

RSD(%): 3.89

Corrected Conc (ug/L): 23.17

5

AS ID: LCSW Seq. No.: 00013 A/S Pos.: 13 Date: 05/15/92

Replicate 1

Time: 09:10

Peak Area (A-s): 0.117

Peak Height (A): 0.244

Background Pk Area (A-s): 0.051

Background Pk Height (A): 0.064

Blank Corrected Pk Area (A-s): 0.118

Concentration (ug/L): 45.80

Corrected Conc (ug/L): 50.89

DATA CHEM LABORATORIES - GFAA ANALYSIS

Replicate 2

Time: 09:12

Peak Area (A-s): 0.114

Peak Height (A): 0.240

Background Pk Area (A-s): 0.050

Background Pk Height (A): 0.060

Blank Corrected Pk Area (A-s): 0.115

Concentration (ug/L): 44.48

Corrected Conc (ug/L): 49.43

Mean Conc (ug/L): 45.14

SD: 0.930

RSD(%): 2.06

Corrected Conc (ug/L): 50.16

AS ID: LCSWA Seq. No.: 00014 A/S Pos.: 14 Date: 05/15/92

Replicate 1

Time: 09:14

Peak Area (A-s): 0.166

Peak Height (A): 0.345

Background Pk Area (A-s): 0.050

Background Pk Height (A): 0.063

Blank Corrected Pk Area (A-s): 0.168

Concentration (ug/L): 64.48

Corrected Conc (ug/L): 71.65

Replicate 2

Time: 09:16

Peak Area (A-s): 0.165

Peak Height (A): 0.352

Background Pk Area (A-s): 0.052

Background Pk Height (A): 0.061

Blank Corrected Pk Area (A-s): 0.166

Concentration (ug/L): 63.95

Corrected Conc (ug/L): 71.05

Mean Conc (ug/L): 64.22

SD: 0.378

RSD(%): 0.59

Corrected Conc (ug/L): 71.35

AS ID: MYH755 Seq. No.: 00015 A/S Pos.: 15 Date: 05/15/92

Replicate 1

Time: 09:18

Peak Area (A-s): 0.014

Peak Height (A): 0.032

Background Pk Area (A-s): 0.021

Background Pk Height (A): 0.062

Blank Corrected Pk Area (A-s): 0.015

Concentration (ug/L): 5.95

Corrected Conc (ug/L): 6.61

Replicate 2

Time: 09:20

Peak Area (A-s): 0.015

Peak Height (A): 0.028

Background Pk Area (A-s): 0.017

Background Pk Height (A): 0.054

Blank Corrected Pk Area (A-s): 0.016

Concentration (ug/L): 6.23

Corrected Conc (ug/L): 6.92

Mean Conc (ug/L): 6.09

SD: 0.197

RSD(%): 3.24

Corrected Conc (ug/L): 6.76

193

As ID: MYH755A Seq. No.: 00016 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 09:22
Peak Area (A-s): 0.067 Peak Height (A): 0.120
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.068
Concentration (ug/L): 26.60 Corrected Conc (ug/L): 29.56

Replicate 2 Time: 09:24
Peak Area (A-s): 0.065 Peak Height (A): 0.124
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 25.68 Corrected Conc (ug/L): 26.54

Mean Conc (ug/L): 26.14 SD: 0.649 RSD(%): 2.48
Corrected Conc (ug/L): 29.05

As ID: MYH766 Seq. No.: 00017 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 09:26
Peak Area (A-s): 0.025 Peak Height (A): 0.049
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 10.42 Corrected Conc (ug/L): 11.58

Replicate 2 Time: 09:28
Peak Area (A-s): 0.025 Peak Height (A): 0.050
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 10.27 Corrected Conc (ug/L): 11.41

Mean Conc (ug/L): 10.35 SD: 0.108 RSD(%): 1.04
Corrected Conc (ug/L): 11.50

As ID: MYH766A Seq. No.: 00018 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 09:30
Peak Area (A-s): 0.075 Peak Height (A): 0.140
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 29.70 Corrected Conc (ug/L): 33.00

Replicate 2 Time: 09:32
Peak Area (A-s): 0.078 Peak Height (A): 0.136
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 30.78 Corrected Conc (ug/L): 34.20

Mean Conc (ug/L): 30.24 SD: 0.766 RSD(%): 2.53
Corrected Conc (ug/L): 33.60

As ID: CCV2 Seq. No.: 00019 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 09:34
Peak Area (A-s): 0.127 Peak Height (A): 0.268

6

DATA CHEM LABORATORIES - GFAA ANALYSIS

194

Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 49.47

Replicate 2 Time: 09:36
Peak Area (A-s): 0.138 Peak Height (A): 0.313
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 53.60

Mean Conc (ug/L): 51.54 SD: 2.917 RSD(%): 5.66

As ID: CCB2 Seq. No.: 00020 A/S Pos.: 20 Date: 05/15/92

DATACHEM LABORATORIES -- GFAA ANALYSIS

Replicate 1 Time: 09:38
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.80

Replicate 2 Time: 09:40
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.74

Mean Conc (ug/L): 0.77 SD: 0.043 RSD(%): 5.51

As ID: MYH766D Seq. No.: 00021 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 09:42
Peak Area (A-s): 0.027 Peak Height (A): 0.050
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.93 Corrected Conc (ug/L): 12.14

Replicate 2 Time: 09:44
Peak Area (A-s): 0.025 Peak Height (A): 0.049
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 10.19 Corrected Conc (ug/L): 11.32

Mean Conc (ug/L): 10.56 SD: 0.520 RSD(%): 4.92
Corrected Conc (ug/L): 11.73

As ID: MYH766DA Seq. No.: 00022 A/S Pos.: 22 Date: 05/15/92

Replicate 1 Time: 09:46
Peak Area (A-s): 0.076 Peak Height (A): 0.134
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 29.89 Corrected Conc (ug/L): 33.21

Replicate 2 Time: 09:47
Peak Area (A-s): 0.074 Peak Height (A): 0.142
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.057

Blank Corrected Pk Area (A-s): 0.075

Concentration (ug/L): 29.25

Corrected Conc (ug/L): 32.50

Mean Conc (ug/L): 29.57

SD: 0.455

RSD(%): 1.54

Corrected Conc (ug/L): 32.86

S

AS ID: MYH766S Seq. No.: 00023 A/S Pos.: 23 Date: 05/15/92

Replicate 1

Time: 09:49

Peak Area (A-s): 0.131

Peak Height (A): 0.243

Background Pk Area (A-s): 0.014

Background Pk Height (A): 0.060

Blank Corrected Pk Area (A-s): 0.133

Concentration (ug/L): 51.24

Corrected Conc (ug/L): 56.93

Replicate 2

Time: 09:51

Peak Area (A-s): 0.128

Peak Height (A): 0.224

Background Pk Area (A-s): 0.019

Background Pk Height (A): 0.057

Blank Corrected Pk Area (A-s): 0.129

Concentration (ug/L): 49.75

Corrected Conc (ug/L): 55.28

Mean Conc (ug/L): 50.49

SD: 1.052

RSD(%): 2.08

Corrected Conc (ug/L): 56.10

AS ID: MYH781 Seq. No.: 00024 A/S Pos.: 24 Date: 05/15/92

Replicate 1

Time: 09:53

Peak Area (A-s): 0.015

Peak Height (A): 0.031

Background Pk Area (A-s): 0.016

Background Pk Height (A): 0.060

Blank Corrected Pk Area (A-s): 0.016

Concentration (ug/L): 6.28

Corrected Conc (ug/L): 6.98

Replicate 2

Time: 09:55

Peak Area (A-s): 0.014

Peak Height (A): 0.031

Background Pk Area (A-s): 0.014

Background Pk Height (A): 0.058

Blank Corrected Pk Area (A-s): 0.015

Concentration (ug/L): 5.81

Corrected Conc (ug/L): 6.46

Mean Conc (ug/L): 6.04

SD: 0.331

RSD(%): 5.48

Corrected Conc (ug/L): 6.72

AS ID: MYH781A Seq. No.: 00025 A/S Pos.: 25 Date: 05/15/92

Replicate 1

Time: 09:57

Peak Area (A-s): 0.067

Peak Height (A): 0.135

Background Pk Area (A-s): 0.014

Background Pk Height (A): 0.061

Blank Corrected Pk Area (A-s): 0.068

Concentration (ug/L): 26.38

Corrected Conc (ug/L): 29.31

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2

Time: 10:00

Peak Area (A-s): 0.066

Peak Height (A): 0.136

Background Pk Area (A-s): 0.008

Background Pk Height (A): 0.058

Blank Corrected Pk Area (A-s): 0.067

Concentration (ug/L): 26.18

Corrected Conc (ug/L): 29.09

Mean Conc (ug/L): 26.28

SD: 0.137

RSD(%): 0.52

Corrected Conc (ug/L): 29.20

196

As ID: MYH782 Seq. No.: 00026 A/S Pos.: 26 Date: 05/15/92

Replicate 1 Time: 10:02
Peak Area (A-s): 0.001 Peak Height (A): 0.009
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.04 Corrected Conc (ug/L): 1.16

Replicate 2 Time: 10:04
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.01 Corrected Conc (ug/L): 2.23

Mean Conc (ug/L): 1.52 SD: 0.682 RSD(%): 44.76
Corrected Conc (ug/L): 1.69

As ID: MYH782A Seq. No.: 00027 A/S Pos.: 27 Date: 05/15/92

Replicate 1 Time: 10:06
Peak Area (A-s): 0.053 Peak Height (A): 0.121
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 21.15 Corrected Conc (ug/L): 23.50

Replicate 2 Time: 10:08
Peak Area (A-s): 0.054 Peak Height (A): 0.113
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 21.65 Corrected Conc (ug/L): 24.05

Mean Conc (ug/L): 21.40 SD: 0.355 RSD(%): 1.66
Corrected Conc (ug/L): 23.78

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: MYH783 Seq. No.: 00028 A/S Pos.: 28 Date: 05/15/92

Replicate 1 Time: 10:10
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.65 Corrected Conc (ug/L): 0.72

Replicate 2 Time: 10:12
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.91 Corrected Conc (ug/L): 1.01

Mean Conc (ug/L): 0.78 SD: 0.185 RSD(%): 23.62
Corrected Conc (ug/L): 0.87

197

As ID: MYH783A Seq. No.: 00029 A/S Pos.: 29 Date: 05/15/92

Replicate 1 Time: 10:14
Peak Area (A-s): 0.053 Peak Height (A): 0.112

Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 21.18 Corrected Conc (ug/L): 23.54

Replicate 2 Time: 10:16
Peak Area (A-s): 0.054 Peak Height (A): 0.109
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 21.50 Corrected Conc (ug/L): 23.88

Mean Conc (ug/L): 21.34 SD: 0.221 RSD(%): 1.04
Corrected Conc (ug/L): 23.71

10

As ID: CCV3 Seq. No.: 00030 A/S Pos.: 30 Date: 05/15/92

Replicate 1 Time: 10:18
Peak Area (A-s): 0.131 Peak Height (A): 0.263
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 51.07

Replicate 2 Time: 10:20
Peak Area (A-s): 0.129 Peak Height (A): 0.261
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 50.41

Mean Conc (ug/L): 50.74 SD: 0.467 RSD(%): 0.92

As ID: CCB3 Seq. No.: 00031 A/S Pos.: 31 Date: 05/15/92

Replicate 1 Time: 10:22
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.45

Replicate 2 Time: 10:25
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.41

Mean Conc (ug/L): 0.93 SD: 0.682 RSD(%): 73.54

As ID: MYH794 Seq. No.: 00032 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 10:27
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.30 Corrected Conc (ug/L): 0.33

198

DATACHEM LABORATORIES - GFAA ANALYSIS

Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.21 Corrected Conc (ug/L): 1.35

Mean Conc (ug/L): 0.76 SD: 0.647 RSD(%): 85.55
Corrected Conc (ug/L): 0.84

AS ID: MYH794A Seq. No.: 00033 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 10:31
Peak Area (A-s): 0.053 Peak Height (A): 0.113
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.054

11
DATACHEM LABORATORIES — GFAA ANALYSIS

Concentration (ug/L): 21.17 Corrected Conc (ug/L): 23.52

Replicate 2 Time: 10:33
Peak Area (A-s): 0.054 Peak Height (A): 0.109
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 21.43 Corrected Conc (ug/L): 23.81

Mean Conc (ug/L): 21.30 SD: 0.133 RSD(%): 0.86
Corrected Conc (ug/L): 23.66

AS ID: MYH795 Seq. No.: 00034 A/S Pos.: 13 Date: 05/15/92

Replicate 1 Time: 10:35
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.09 Corrected Conc (ug/L): 0.10

Replicate 2 Time: 10:37
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.63 Corrected Conc (ug/L): 0.70

Mean Conc (ug/L): 0.36 SD: 0.380 RSD(%): 104.91
Corrected Conc (ug/L): 0.40

AS ID: MYH795A Seq. No.: 00035 A/S Pos.: 14 Date: 05/15/92

Replicate 1 Time: 10:39
Peak Area (A-s): 0.052 Peak Height (A): 0.094
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.73 Corrected Conc (ug/L): 23.03

Replicate 2 Time: 10:41
Peak Area (A-s): 0.052 Peak Height (A): 0.100
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.54 Corrected Conc (ug/L): 22.83

Mean Conc (ug/L): 20.64 SD: 0.133 RSD(%): 0.64
Corrected Conc (ug/L): 22.93

As ID: CCV4 Seq. No.: 00036 A/S Pos.: 15 Date: 05/15/92 12

Replicate 1 Time: 10:43
Peak Area (A-s): 0.128 Peak Height (A): 0.252
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 49.98

Replicate 2 Time: 10:45
Peak Area (A-s): 0.126 Peak Height (A): 0.251
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.044

Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 49.26

Mean Conc (ug/L): 49.62 SD: 0.513 RSD(%): 1.03

As ID: CCB4 Seq. No.: 00037 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 10:47
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.19

Replicate 2 Time: 10:49
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.17

Mean Conc (ug/L): 1.68 SD: 0.717 RSD(%): 42.64

As ID: PBW(MERA01) Seq. No.: 00038 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 10:53
Peak Area (A-s): 0.000 Peak Height (A): 0.008
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.59 Corrected Conc (ug/L): 0.65

Replicate 2 Time: 10:55
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.24 Corrected Conc (ug/L): 1.38

Mean Conc (ug/L): 0.91 SD: 0.461 RSD(%): 50.54
Corrected Conc (ug/L): 1.01

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: PBWA Seq. No.: 00039 A/S Pos.: 18 Date: 05/15/92 200

Replicate 1 Time: 10:57

Peak Area (A-s): 0.051 Peak Height (A): 0.100
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.46 Corrected Conc (ug/L): 22.74

13

Replicate 2 Time: 10:59
Peak Area (A-s): 0.053 Peak Height (A): 0.101
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 20.93 Corrected Conc (ug/L): 23.25

Mean Conc (ug/L): 20.69 SD: 0.329 RSD(%): 1.59
Corrected Conc (ug/L): 22.99

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: LCSW Seq. No.: 00040 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 11:01
Peak Area (A-s): 0.112 Peak Height (A): 0.212
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.114
Concentration (ug/L): 43.94 Corrected Conc (ug/L): 48.82

Replicate 2 Time: 11:03
Peak Area (A-s): 0.114 Peak Height (A): 0.211
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.115
Concentration (ug/L): 44.66 Corrected Conc (ug/L): 49.62

Mean Conc (ug/L): 44.30 SD: 0.510 RSD(%): 1.15
Corrected Conc (ug/L): 49.22

As ID: LCSWA Seq. No.: 00041 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 11:05
Peak Area (A-s): 0.171 Peak Height (A): 0.320
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 66.13 Corrected Conc (ug/L): 73.47

Replicate 2 Time: 11:07
Peak Area (A-s): 0.171 Peak Height (A): 0.323
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 66.15 Corrected Conc (ug/L): 73.50

Mean Conc (ug/L): 66.14 SD: 0.017 RSD(%): 0.03
Corrected Conc (ug/L): 73.49

As ID: MERA26 Seq. No.: 00042 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 11:09
Peak Area (A-s): 0.006 Peak Height (A): 0.008
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 2.68 Corrected Conc (ug/L): 2.08

201

Replicate 2
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.70

Time: 11:11
Peak Height (A): 0.008
Background Pk Height (A): 0.038
Corrected Conc (ug/L): 0.78

14

Mean Conc (ug/L): 1.69 SD: 1.405 RSD(%): 83.07
Corrected Conc (ug/L): 1.88

As ID: MERA26A Seq. No.: 00043 A/S Pos.: 22 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.055

Time: 11:13
Peak Height (A): 0.115

Background Pk Area (A-s): 0.015
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 22.02

Background Pk Height (A): 0.040
Corrected Conc (ug/L): 24.47

Replicate 2
Peak Area (A-s): 0.053
Background Pk Area (A-s): 0.023
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 21.21

Time: 11:15
Peak Height (A): 0.117
Background Pk Height (A): 0.042
Corrected Conc (ug/L): 23.57

Mean Conc (ug/L): 21.62 SD: 0.569 RSD(%): 2.63
Corrected Conc (ug/L): 24.02

As ID: MERA26D Seq. No.: 00044 A/S Pos.: 23 Date: 05/15/92

Replicate 1
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.014
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.39

Time: 11:17
Peak Height (A): 0.007
Background Pk Height (A): 0.037
Corrected Conc (ug/L): 0.43

Replicate 2
Peak Area (A-s): 0.004
Background Pk Area (A-s): 0.001
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.01

Time: 11:19
Peak Height (A): 0.007
Background Pk Height (A): 0.031
Corrected Conc (ug/L): 2.23

Mean Conc (ug/L): 1.20 SD: 1.145 RSD(%): 95.63
Corrected Conc (ug/L): 1.33

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: MERA26DA Seq. No.: 00045 A/S Pos.: 24 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.053
Background Pk Area (A-s): 0.033
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 20.97

Time: 11:21
Peak Height (A): 0.112
Background Pk Height (A): 0.045
Corrected Conc (ug/L): 23.31

202

Replicate 2
Peak Area (A-s): 0.053
Background Pk Area (A-s): 0.024
Blank Corrected Pk Area (A-s): 0.054

Time: 11:23
Peak Height (A): 0.119
Background Pk Height (A): 0.046
Corrected Conc (ug/L): 23.31

Concentration (ug/L): 20.99 Corrected Conc (ug/L): 23.32

Mean Conc (ug/L): 20.98 SD: 0.007 RSD(%): 0.03
Corrected Conc (ug/L): 23.31

15

As ID: MERA26S Seq. No.: 00046 A/S Pos.: 25 Date: 05/15/92

Replicate 1 Time: 11:25
Peak Area (A-s): 0.107 Peak Height (A): 0.221
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 41.78 Corrected Conc (ug/L): 46.42

Replicate 2 Time: 11:27

DATACHEM LABORATORIES - GFAA ANALYSIS

Peak Area (A-s): 0.110 Peak Height (A): 0.226
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.111
Concentration (ug/L): 42.94 Corrected Conc (ug/L): 47.71

Mean Conc (ug/L): 42.36 SD: 0.820 RSD(%): 1.94
Corrected Conc (ug/L): 47.07

As ID: CCV5 Seq. No.: 00047 A/S Pos.: 26 Date: 05/15/92

Replicate 1 Time: 11:29
Peak Area (A-s): 0.130 Peak Height (A): 0.262
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 50.78

Replicate 2 Time: 11:31
Peak Area (A-s): 0.132 Peak Height (A): 0.258
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 51.32

Mean Conc (ug/L): 51.05 SD: 0.383 RSD(%): 0.75

As ID: CCB5 Seq. No.: 00048 A/S Pos.: 27 Date: 05/15/92

Replicate 1 Time: 11:33
Peak Area (A-s): 0.005 Peak Height (A): 0.007
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.38

Replicate 2 Time: 11:35
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.81

Mean Conc (ug/L): 1.59 SD: 1.111 RSD(%): 69.68

203

As ID: MERA27 Seq. No.: 00049 A/S Pos.: 28 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.73

Time: 11:37
Peak Height (A): 0.006
Background Pk Height (A): 0.042
Corrected Conc (ug/L): 1.92

Replicate 2
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.024
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.36

Time: 11:39
Peak Height (A): 0.007
Background Pk Height (A): 0.041
Corrected Conc (ug/L): 1.51

Mean Conc (ug/L): 1.54 SD: 0.262 RSD(%): 17.03
Corrected Conc (ug/L): 1.71

16

Data not used.

CCV6 recovery
is less than 90%

T.C. 05-15-92

As ID: MERA27A Seq. No.: 00050 A/S Pos.: 29 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.056
Background Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 22.16

Time: 11:42
Peak Height (A): 0.112
Background Pk Height (A): 0.045
Corrected Conc (ug/L): 24.62

Replicate 2
Peak Area (A-s): 0.055
Background Pk Area (A-s): 0.025
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 21.83

Time: 11:44
Peak Height (A): 0.113
Background Pk Height (A): 0.045
Corrected Conc (ug/L): 24.25

Mean Conc (ug/L): 21.99 SD: 0.237 RSD(%): 1.08
Corrected Conc (ug/L): 24.44

As ID: MERA28 Seq. No.: 00051 A/S Pos.: 30 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.50

Time: 11:46
Peak Height (A): 0.007
Background Pk Height (A): 0.037
Corrected Conc (ug/L): 1.67

Replicate 2
Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.032
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.49

Time: 11:48
Peak Height (A): 0.007
Background Pk Height (A): 0.041
Corrected Conc (ug/L): 1.66

Mean Conc (ug/L): 1.50 SD: 0.006 RSD(%): 0.37
Corrected Conc (ug/L): 1.66

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: MERA28A Seq. No.: 00052 A/S Pos.: 31 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.055
Background Pk Area (A-s): 0.022
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 21.91

Time: 11:50
Peak Height (A): 0.099
Background Pk Height (A): 0.039
Corrected Conc (ug/L): 24.22

204

Replicate 2
Peak Area (A-s): 0.054
Background Pk Area (A-s): 0.026
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 21.48
Mean Conc (ug/L): 21.65
Corrected Conc (ug/L): 24.05

Time: 11:52
Peak Height (A): 0.099
Background Pk Height (A): 0.042
Corrected Conc (ug/L): 23.87
SD: 0.230
RSD(%): 1.06

12

As ID: CCV6 Seq. No.: 00053 A/S Pos.: 32 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.077
Time: 11:54
Peak Height (A): 0.250

DATACHEM LABORATORIES - GFAA ANALYSIS

Background Pk Area (A-s): 0.018
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 30.45
Background Pk Height (A): 0.035

Replicate 2
Peak Area (A-s): 0.101
Background Pk Area (A-s): 0.009
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 39.45
Time: 11:56
Peak Height (A): 0.242
Background Pk Height (A): 0.031

Mean Conc (ug/L): 34.95 SD: 6.366 RSD(%): 18.22

Data not used.
CCV₆ recovery is less than 90%.

As ID: CCB6 Seq. No.: 00054 A/S Pos.: 33 Date: 05/15/92

Replicate 1
Peak Area (A-s): -0.029
Background Pk Area (A-s): -0.001
Blank Corrected Pk Area (A-s): -0.028
Concentration (ug/L): -10.99
Time: 11:58
Peak Height (A): 0.005
Background Pk Height (A): 0.029

T.C.

05/15/92

Replicate 2
Peak Area (A-s): -0.040
Background Pk Area (A-s): 0.777
Blank Corrected Pk Area (A-s): -0.039
Concentration (ug/L): -15.30
Time: 12:00
Peak Height (A): 0.007
Background Pk Height (A): 0.208

Mean Conc (ug/L): -13.14 SD: 3.046 RSD(%): 23.17

DATA CHEM LABORATORIES - GFAA ANALYSIS

As ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/15/92

Replicate 1 Time: 13:06
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.46

Replicate 2 Time: 13:08
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.06

Mean Conc (ug/L): 0.26 SD: 0.284 RSD(%): 110.19

Auto-zero performed.

As ID: S10 Seq. No.: 00002 A/S Pos.: 2 Date: 05/15/92

Replicate 1 Time: 13:10
Peak Area (A-s): 0.028 Peak Height (A): 0.048
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 11.02

Replicate 2 Time: 13:12
Peak Area (A-s): 0.027 Peak Height (A): 0.052

Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 10.60

Mean Conc (ug/L): 10.81 SD: 0.293 RSD(%): 2.71

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0028

As ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/15/92

Replicate 1 Time: 13:14

1
AA2
05/20/92

Date = 05/15/92
Analyte = Arsenic
SDG = MERA01
Case = 19026
Run #12
Instrument = AAS-ZEE
Data file = MERA01A1
Analyst = Tanya Cheklin

206

peak Area (A-s): 0.045
Background Pk Area (A-s): 0.092
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 15.77

2

Replicate 2 Time: 13:16
Peak Area (A-s): 0.053 Peak Height (A): 0.096
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 19.39

Mean Conc (ug/L): 17.58 SD: 2.560 RSD(%): 14.56

Standard number 2 applied. [20.00]
Correlation coefficient: 1.00000 Slope: 0.0032

AS ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/15/92

Replicate 1 Time: 13:18
Peak Area (A-s): 0.138 Peak Height (A): 0.249
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 140.05

Replicate 2 Time: 13:20
Peak Area (A-s): 0.137 Peak Height (A): 0.241
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 136.82

Mean Conc (ug/L): 138.42 SD: 2.284 RSD(%): 1.65

S-shaped calibration curve detected. 2-coef. equation used.
Standard number 3 applied. [50.00]
Correlation coefficient: 0.99792 Slope: 0.0026

AS ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/15/92

Replicate 1 Time: 13:22
Peak Area (A-s): 0.267 Peak Height (A): 0.444
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.267
Concentration (ug/L): 94.36

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 2 Time: 13:24
Peak Area (A-s): 0.276 Peak Height (A): 0.441
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.276
Concentration (ug/L): 97.28

Mean Conc (ug/L): 95.82 SD: 2.065 RSD(%): 2.16

S-shaped calibration curve detected. 2-coef. equation used.
Standard number 4 applied. [100.00]
Correlation coefficient: 0.99941 Slope: 0.0026

207

Replicate 1 Time: 13:26
 Peak Area (A-s): 0.133 Peak Height (A): 0.226
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.047
 Blank Corrected Pk Area (A-s): 0.134
 Concentration (ug/L): 49.81

3

Replicate 2 Time: 13:28
 Peak Area (A-s): 0.129 Peak Height (A): 0.236
 Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.046
 Blank Corrected Pk Area (A-s): 0.130
 Concentration (ug/L): 48.46

Mean Conc (ug/L): 49.13 SD: 0.951 RSD(%): 1.93

As ID: ICB~~2~~ Seq. No.: 00007 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 13:30
 Peak Area (A-s): 0.000 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.050
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.32

Replicate 2 Time: 13:32
 Peak Area (A-s): 0.000 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.045
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.38

Mean Conc (ug/L): 0.35 SD: 0.046 RSD(%): 13.11

As ID: CCV~~16~~ Seq. No.: 00008 A/S Pos.: 8 Date: 05/15/92
T.C. 5-15-92

Replicate 1 Time: 13:34
 Peak Area (A-s): 0.139 Peak Height (A): 0.229
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.140
 Concentration (ug/L): 51.93

Replicate 2 Time: 13:36
 Peak Area (A-s): 0.136 Peak Height (A): 0.224
 Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.137

Concentration (ug/L): 50.95

Mean Conc (ug/L): 51.44 SD: 0.696 RSD(%): 1.35

T.C. 5-15-92
 As ID: CCB~~16~~ Seq. No.: 00009 A/S Pos.: 9 Date: 05/15/92

Replicate 1 Time: 13:38
 Peak Area (A-s): 0.000 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.049
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.38

Replicate 2 Time: 13:40
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.00

Mean Conc (ug/L): 0.19 SD: 0.267 RSD(%): 138.18

4

AS ID: CRA2 Seq. No.: 00010 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 13:43
Peak Area (A-s): 0.028 Peak Height (A): 0.048
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.68

Replicate 2 Time: 13:45
Peak Area (A-s): 0.028 Peak Height (A): 0.049
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 10.77

Mean Conc (ug/L): 10.72 SD: 0.066 RSD(%): 0.61

AS ID: MERA27 Seq. No.: 00011 A/S Pos.: 28 Date: 05/15/92

Replicate 1 Time: 13:46
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.187
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.43 Corrected Conc (ug/L): 0.48

Replicate 2 Time: 13:50
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.38 Corrected Conc (ug/L): 0.42

Mean Conc (ug/L): 0.41 SD: 0.033 RSD(%): 8.17
Corrected Conc (ug/L): 0.45

AS ID: MERA27A Seq. No.: 00012 A/S Pos.: 29 Date: 05/15/92

Replicate 1 Time: 13:52
Peak Area (A-s): 0.054 Peak Height (A): 0.095
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 20.62 Corrected Conc (ug/L): 22.91

Replicate 2 Time: 13:54
Peak Area (A-s): 0.054 Peak Height (A): 0.097
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 20.51 Corrected Conc (ug/L): 22.79

Mean Conc (ug/L): 20.57 SD: 0.074 RSD(%): 0.36

DATACHEM LABORATORIES — GFAA ANALYSIS

209

As ID: MERA28 Seq. No.: 00013 A/S Pos.: 30 Date: 05/15/92 5

Replicate 1 Time: 13:56
 Peak Area (A-s): 0.004 Peak Height (A): 0.016
 Background Pk Area (A-s): 0.281 Background Pk Height (A): 0.652
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.76 Corrected Conc (ug/L): 1.95

Replicate 2 Time: 13:58
 Peak Area (A-s): 0.000 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.33 Corrected Conc (ug/L): 0.37

Mean Conc (ug/L): 1.04 SD: 1.011 RSD(%): 96.84
 Corrected Conc (ug/L): 1.16

As ID: MERA28A Seq. No.: 00014 A/S Pos.: 31 Date: 05/15/92

Replicate 1 Time: 14:00
 Peak Area (A-s): 0.053 Peak Height (A): 0.093
 Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): 0.053
 Concentration (ug/L): 20.11 Corrected Conc (ug/L): 22.34

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 14:02
 Peak Area (A-s): 0.056 Peak Height (A): 0.078
 Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.056
 Concentration (ug/L): 21.21 Corrected Conc (ug/L): 23.57

Mean Conc (ug/L): 20.66 SD: 0.783 RSD(%): 3.79
 Corrected Conc (ug/L): 22.96

As ID: CCV 7 Seq. No.: 00015 A/S Pos.: 32 Date: 05/15/92

Replicate 1 Time: 14:04
 Peak Area (A-s): 0.142 Peak Height (A): 0.214
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.143
 Concentration (ug/L): 53.19

Replicate 2 Time: 14:06
 Peak Area (A-s): 0.126 Peak Height (A): 0.195
 Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.126
 Concentration (ug/L): 47.05

Mean Conc (ug/L): 50.12 SD: 4.342 RSD(%): 8.66 **210**

As ID: CCB 7 Seq. No.: 00016 A/S Pos.: 33 Date: 05/15/92

Replicate 1 Time: 14:08

Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.04

6

Replicate 2 Time: 14:10
Peak Area (A-s): -0.000 Peak Height (A): 0.008
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.22

Mean Conc (ug/L): 0.13 SD: 0.133 RSD(%): 102.10

DATA CHEM LABORATORIES - GFAA ANALYSIS

Element File: AA2AS.GEL Element: As Wavelength: 193.7
 Date: 05/18/92 Time: 09:20 Slit: 0.7 L
 Data File: MERA01A3.DAT ID/Wt File: MERA01A3.IDW Lamp Current: 0
 Technique: HGA Calib. Type: Nonlinear Energy: 56

As ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/18/92

Replicate 1 Time: 09:20
 Peak Area (A-s): -0.005 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): -0.005

Replicate 2 Time: 09:22
 Peak Area (A-s): -0.001 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.062
 Blank Corrected Pk Area (A-s): -0.001

Mean Pk Area (A-s): -0.003 SD: 0.0027 RSD(%): 91.04

Auto-zero performed.

As ID: S10 Seq. No.: 00002 A/S Pos.: 2 Date: 05/18/92

Replicate 1 Time: 09:24
 Peak Area (A-s): 0.019 Peak Height (A): 0.036
 Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.064
 Blank Corrected Pk Area (A-s): 0.022

Replicate 2 Time: 09:26
 Peak Area (A-s): 0.022 Peak Height (A): 0.034
 Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): 0.025

Mean Pk Area (A-s): 0.024 SD: 0.0020 RSD(%): 8.26

Standard number 1 applied. [10.00]
 Correlation coefficient: 1.00000 Slope: 0.0024

As ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/18/92

Replicate 1 Time: 09:28
 Peak Area (A-s): 0.045 Peak Height (A): 0.067
 Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.063
 Blank Corrected Pk Area (A-s): 0.048
 Concentration (ug/L): 20.10

Replicate 2 Time: 09:30
 Peak Area (A-s): 0.046 Peak Height (A): 0.069
 Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.066
 Blank Corrected Pk Area (A-s): 0.048
 Concentration (ug/L): 20.75

✓
 AH2
 05/20/92

Date = 05/18/92
 Analyzer Arsenic
 SDG = MERA 01

Case = 19026
 Run # 13

Samples = EL1385-1386
 DCL ID = 592-0240

Instrument = AAS-ZEE
 Data file = MERA01A3
 Analyst = Tanya Chetkin

212

Mean Conc (ug/L): 20.43 SD: 0.461 RSD(%): 2.26

Standard number 2 applied. [20.00]

Z

Correlation coefficient: 1.00000 Slope: 0.0023

AS ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/18/92

Replicate 1 Time: 09:32
Peak Area (A-s): 0.116 Peak Height (A): 0.157
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 46.30

Replicate 2 Time: 09:34
Peak Area (A-s): 0.115 Peak Height (A): 0.159
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.118
Concentration (ug/L): 45.92

Mean Conc (ug/L): 46.11 SD: 0.263 RSD(%): 0.57

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 3 applied. [50.00]

Correlation coefficient: 0.99994 Slope: 0.0024

AS ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/18/92

Replicate 1 Time: 09:36
Peak Area (A-s): 0.230 Peak Height (A): 0.305
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 98.99

Replicate 2 Time: 09:36
Peak Area (A-s): 0.228 Peak Height (A): 0.311
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.231
Concentration (ug/L): 98.05

DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 98.52 SD: 0.664 RSD(%): 0.67

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 4 applied. [100.00]

Correlation coefficient: 0.99999 Slope: 0.0024

AS ID: ICV Seq. No.: 00006 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 09:40
Peak Area (A-s): 0.121 Peak Height (A): 0.160
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 52.40

*ICV3 for SDG
MERAOI
T.C.
5/18/92*

Replicate 2 Time: 09:42
Peak Area (A-s): 0.120 Peak Height (A): 0.160
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.067

213

Blank Corrected Pk Area (A-s): 0.120

Concentration (ug/L): 52.02

3

DATACHEM LABORATORIES - GFQA ANALYSIS

Mean Conc (ug/L): 52.21 SD: 0.264 RSD(%): 0.51

As ID: ICB Seq. No.: 00007 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 09:44

Peak Area (A-s): -0.001 Peak Height (A): 0.007

Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.061

Blank Corrected Pk Area (A-s): 0.001

Concentration (ug/L): 0.61

*ICB₃ for SDG
MERA 01*

T.C.

5/18/92

Replicate 2 Time: 09:46

Peak Area (A-s): -0.001 Peak Height (A): 0.007

Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.060

Blank Corrected Pk Area (A-s): 0.002

Concentration (ug/L): 0.68

Mean Conc (ug/L): 0.75 SD: 0.191 RSD(%): 25.57

As ID: CCV Seq. No.: 00008 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 09:48

Peak Area (A-s): 0.120 Peak Height (A): 0.153

Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.066

Blank Corrected Pk Area (A-s): 0.123

Concentration (ug/L): 51.78

*CCV₈ for SDG
MERA 01*

T.C.

5-18-92

Replicate 2 Time: 09:50

Peak Area (A-s): 0.118 Peak Height (A): 0.158

Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.067

Blank Corrected Pk Area (A-s): 0.121

Concentration (ug/L): 51.16

Mean Conc (ug/L): 51.47 SD: 0.442 RSD(%): 0.86

As ID: CCB Seq. No.: 00009 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 09:52

Peak Area (A-s): -0.003 Peak Height (A): 0.006

Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.057

Blank Corrected Pk Area (A-s): -0.000

Concentration (ug/L): -0.13

*CCB₈ for SDG
MERA 01
T.C. 5-18-92*

Replicate 2 Time: 09:54

Peak Area (A-s): -0.001 Peak Height (A): 0.007

Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.058

Blank Corrected Pk Area (A-s): 0.002

Concentration (ug/L): 0.66

Mean Conc (ug/L): 0.26 SD: 0.560 RSD(%): 211.53

214

As ID: CRA Seq. No.: 00010 A/S Pos.: 10 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.022
Background Pk Area (A-s): 0.055
Time: 09:57
Peak Height (A): 0.033
Background Pk Height (A): 0.059

4

Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 10.34

CRAs for SDG MERA 01
T.C.
5-18-92

Replicate 2
Peak Area (A-s): 0.023
Background Pk Area (A-s): 0.058
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 10.69

Mean Conc (ug/L): 10.52 SD: 0.246 RSD(%): 2.34

AS ID: PBS(MERA01) Seq. No.: 00011 A/S Pos.: 11 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.35

Time: 10:01
Peak Height (A): 0.007
Background Pk Height (A): 0.051
Corrected Conc (ug/L): 0.35

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.34

Time: 10:03
Peak Height (A): 0.007
Background Pk Height (A): 0.051
Corrected Conc (ug/L): 1.34

Mean Conc (ug/L): 0.84 SD: 0.700 RSD(%): 83.29
Corrected Conc (ug/L): 0.84

AS ID: PBSA Seq. No.: 00012 A/S Pos.: 12 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.048
Background Pk Area (A-s): 0.045
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 21.10

Time: 10:05
Peak Height (A): 0.058
Background Pk Height (A): 0.053
Corrected Conc (ug/L): 21.10

Replicate 2
Peak Area (A-s): 0.046
Background Pk Area (A-s): 0.049
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 20.47

Time: 10:07
Peak Height (A): 0.054
Background Pk Height (A): 0.053
Corrected Conc (ug/L): 20.47

Mean Conc (ug/L): 20.78 SD: 0.448 RSD(%): 2.16
Corrected Conc (ug/L): 20.78

AS ID: LCSS-200X Seq. No.: 00013 A/S Pos.: 13 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.067
Background Pk Area (A-s): 0.056
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 29.37

Time: 10:09
Peak Height (A): 0.085
Background Pk Height (A): 0.063
Corrected Conc (ug/L): 5874.

DATACHEM LABORATORIES - GFAA ANALYSIS

215

Replicate 2
Peak Area (A-s): 0.065
Background Pk Area (A-s): 0.055

Time: 10.11
Peak Height (A): 0.085
Background Pk Height (A): 0.062

5

Blank Corrected Pk Area (A-s): 0.068
Concentration (ug/L): 28.56 Corrected Conc (ug/L): 5712.

Mean Conc (ug/L): 28.96 SD: 0.575 RSD(%): 1.98
Corrected Conc (ug/L): 5793.

As ID: LCSSA-200X Seq. No.: 00014 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 10:13
Peak Area (A-s): 0.114 Peak Height (A): 0.135
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.117
Concentration (ug/L): 49.28 Corrected Conc (ug/L): 9856.

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 10:15
Peak Area (A-s): 0.114 Peak Height (A): 0.142
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.117
Concentration (ug/L): 49.44 Corrected Conc (ug/L): 9888.

Mean Conc (ug/L): 49.36 SD: 0.113 RSD(%): 0.23
Corrected Conc (ug/L): 9872.

As ID: MERA01 Seq. No.: 00015 A/S Pos.: 15 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 10:17
Peak Area (A-s): 0.435 Peak Height (A): 0.468
Background Pk Area (A-s): 0.895 Background Pk Height (A): 0.657
Blank Corrected Pk Area (A-s): 0.438
Concentration (ug/L): 195.14 Corrected Conc (ug/L): 195.14

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 10:19
Peak Area (A-s): 0.436 Peak Height (A): 0.460
Background Pk Area (A-s): 0.862 Background Pk Height (A): 0.615
Blank Corrected Pk Area (A-s): 0.439
Concentration (ug/L): 195.46 Corrected Conc (ug/L): 195.46

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 195.30 SD: 0.228 RSD(%): 0.12
Corrected Conc (ug/L): 195.30

As ID: MERA02 Seq. No.: 00016 A/S Pos.: 17 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 10:22
Peak Area (A-s): 0.259 Peak Height (A): 0.278
Background Pk Area (A-s): 0.607 Background Pk Height (A): 0.382
Blank Corrected Pk Area (A-s): 0.262
Concentration (ug/L): 113.20 Corrected Conc (ug/L): 113.20

216

Sample abs. is greater than that of the largest standard.

Replicate 2
Peak Area (A-s): 0.256
Background Pk Area (A-s): 0.603
Time: 10:24
Peak Height (A): 0.279
Background Pk Height (A): 0.383

6

Blank Corrected Pk Area (A-s): 0.259
Concentration (ug/L): 111.76 Corrected Conc (ug/L): 111.76

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 112.48 SD: 1.021 RSD(%): 0.91
Corrected Conc (ug/L): 112.48

As ID: MERA02S Seq. No.: 00017 A/S Pos.: 19 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 10:26
Peak Area (A-s): 0.390 Peak Height (A): 0.370
Background Pk Area (A-s): 0.474 Background Pk Height (A): 0.291
Blank Corrected Pk Area (A-s): 0.393
Concentration (ug/L): 173.62 Corrected Conc (ug/L): 173.62

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 10:28
Peak Area (A-s): 0.388 Peak Height (A): 0.375
Background Pk Area (A-s): 0.484 Background Pk Height (A): 0.294
Blank Corrected Pk Area (A-s): 0.391
Concentration (ug/L): 172.68 Corrected Conc (ug/L): 172.68

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 173.15 SD: 0.663 RSD(%): 0.38
Corrected Conc (ug/L): 173.15

As ID: CCB Seq. No.: 00018 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 10:30
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.23

Replicate 2 Time: 10:32
Peak Area (A-s): -0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.02

Mean Conc (ug/L): 0.12 SD: 0.152 RSD(%): 123.94

As ID: CCV 2 Seq. No.: 00019 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 10:34
Peak Area (A-s): 0.125 Peak Height (A): 0.148
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 53.87

Replicate 2 Time: 10:35
Peak Area (A-s): 0.124 Peak Height (A): 0.141

DATACHEM LABORATORIES - GFAA ANALYSIS

Data, not used.
CCB was run
before CCV
T.C. 5-18-92

CCV for SDG MERA01
T.C. 5-18-92

217

Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 53.79

4

Mean Conc (ug/L): 53.83 SD: 0.056 RSD(%): 0.10

AS ID: CCB 2 Seq. No.: 00020 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 10:37
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.67

CC₂β₉ for SDG MERA 01

T.C.

5/18/92

Replicate 2 Time: 10:39
Peak Area (A-s): -0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.01

DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 0.33 SD: 0.481 RSD(%): 146.17

AS ID: S0 Seq. No.: 00021 A/S Pos.: 1 Date: 05/18/92

Replicate 1 Time: 10:41
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.71

Data not used.

Reslope.

5/18/92

T.C.

Replicate 2 Time: 10:43
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.17

Mean Conc (ug/L): 0.94 SD: 0.326 RSD(%): 34.72

Auto-zero performed.

AS ID: S50 Seq. No.: 00022 A/S Pos.: 37 Date: 05/18/92

Replicate 1 Time: 10:45
Peak Area (A-s): 0.121 Peak Height (A): 0.141
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.121
Concentration (ug/L): 51.12

Replicate 2 Time: 10:47
Peak Area (A-s): 0.124 Peak Height (A): 0.143
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 52.44

Mean Conc (ug/L): 51.78 SD: 0.928 RSD(%): 1.79

Reslope standard applied. [50.00]

218

8

As ID: CCV 3 Seq. No.: 00023 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 10:49
 Peak Area (A-s): 0.120 Peak Height (A): 0.140
 Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.062
 Blank Corrected Pk Area (A-s): 0.121
 Concentration (ug/L): 49.31

CCV10 for SDG
 MERA 01

T.C.
 5/18/92

Replicate 2 Time: 10:51
 Peak Area (A-s): 0.121 Peak Height (A): 0.137
 Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.057
 Blank Corrected Pk Area (A-s): 0.122
 Concentration (ug/L): 49.61

Mean Conc (ug/L): 49.46 SD: 0.208 RSD(%): 0.42

As ID: CCB 3 Seq. No.: 00024 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 10:53
 Peak Area (A-s): -0.001 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.051
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.24

CCB for SDG MERA 01

T.C.
 5/18/92

Replicate 2 Time: 10:55
 Peak Area (A-s): 0.000 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.053
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.29

Mean Conc (ug/L): 0.02 SD: 0.376 RSD(%): 1813.14

As ID: MERA02D Seq. No.: 00025 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 10:57
 Peak Area (A-s): 0.137 Peak Height (A): 0.171
 Background Pk Area (A-s): 0.427 Background Pk Height (A): 0.266
 Blank Corrected Pk Area (A-s): 0.188
 Concentration (ug/L): 77.24 Corrected Conc (ug/L): 77.24

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 10:59
 Peak Area (A-s): 0.191 Peak Height (A): 0.177
 Background Pk Area (A-s): 0.438 Background Pk Height (A): 0.269
 Blank Corrected Pk Area (A-s): 0.192
 Concentration (ug/L): 78.94 Corrected Conc (ug/L): 78.94

Mean Conc (ug/L): 78.09 SD: 1.200 RSD(%): 1.54
 Corrected Conc (ug/L): 78.09

As ID: MERA02DA Seq. No.: 00026 A/S Pos.: 23 Date: 05/18/92

Replicate 1 Time: 11:01

219

Peak Area (A-s): 0.234 Peak Height (A): 0.216
Background Pk Area (A-s): 0.438 Background Pk Height (A): 0.276
Blank Corrected Pk Area (A-s): 0.234

9

Concentration (ug/L): 97.30 Corrected Conc (ug/L): 97.30

Replicate 2 Time: 11:03
Peak Area (A-s): 0.232 Peak Height (A): 0.220
Background Pk Area (A-s): 0.435 Background Pk Height (A): 0.276
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 96.48 Corrected Conc (ug/L): 96.48

Mean Conc (ug/L): 96.89 SD: 0.582 RSD(%): 0.60
Corrected Conc (ug/L): 96.89

DATACHEM LABORATORIES - GFAA ANALYSIS

AS ID: MERA03 Seq. No.: 00027 A/S Pos.: 24 Date: 05/18/92

Replicate 1 Time: 11:05
Peak Area (A-s): 0.186 Peak Height (A): 0.201
Background Pk Area (A-s): 0.412 Background Pk Height (A): 0.269
Blank Corrected Pk Area (A-s): 0.187
Concentration (ug/L): 76.81 Corrected Conc (ug/L): 76.81

Replicate 2 Time: 11:07
Peak Area (A-s): 0.187 Peak Height (A): 0.200
Background Pk Area (A-s): 0.415 Background Pk Height (A): 0.264
Blank Corrected Pk Area (A-s): 0.187
Concentration (ug/L): 77.08 Corrected Conc (ug/L): 77.08

Mean Conc (ug/L): 76.94 SD: 0.195 RSD(%): 0.25
Corrected Conc (ug/L): 76.94

AS ID: MERA03A Seq. No.: 00028 A/S Pos.: 25 Date: 05/18/92

Replicate 1 Time: 11:09
Peak Area (A-s): 0.233 Peak Height (A): 0.248
Background Pk Area (A-s): 0.408 Background Pk Height (A): 0.265
Blank Corrected Pk Area (A-s): 0.234
Concentration (ug/L): 97.05 Corrected Conc (ug/L): 97.05

Replicate 2 Time: 11:11
Peak Area (A-s): 0.233 Peak Height (A): 0.245
Background Pk Area (A-s): 0.415 Background Pk Height (A): 0.265
Blank Corrected Pk Area (A-s): 0.234
Concentration (ug/L): 97.04 Corrected Conc (ug/L): 97.04

Mean Conc (ug/L): 97.05 SD: 0.007 RSD(%): 0.01
Corrected Conc (ug/L): 97.05

AS ID: MERA04 Seq. No.: 00029 A/S Pos.: 26 Date: 05/18/92

Replicate 1 Time: 11:13
Peak Area (A-s): 0.044 Peak Height (A): 0.045
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 17.78 Corrected Conc (ug/L): 17.78

220

Replicate 2
Peak Area (A-s): 0.042
Background Pk Area (A-s): 0.166

Time: 11:15
Peak Height (A): 0.048
Background Pk Height (A): 0.136

10

Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 17.15 Corrected Conc (ug/L): 17.15

Mean Conc (ug/L): 17.46 SD: 0.451 RSD(%): 2.58
Corrected Conc (ug/L): 17.46

As ID: MERA04A Seq. No.: 00030 A/S Pos.: 27 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.092
Background Pk Area (A-s): 0.142
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 37.75 Corrected Conc (ug/L): 37.75

Replicate 2
Peak Area (A-s): 0.091
Background Pk Area (A-s): 0.135
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 37.00 Corrected Conc (ug/L): 37.00

Mean Conc (ug/L): 37.37 SD: 0.530 RSD(%): 1.42
Corrected Conc (ug/L): 37.37

As ID: MERA05 Seq. No.: 00031 A/S Pos.: 28 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.015
Background Pk Area (A-s): 0.129
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 6.27 Corrected Conc (ug/L): 6.27

Replicate 2
Peak Area (A-s): 0.014
Background Pk Area (A-s): 0.131
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 5.97 Corrected Conc (ug/L): 5.97

Mean Conc (ug/L): 6.12 SD: 0.209 RSD(%): 3.41
Corrected Conc (ug/L): 6.12

As ID: MERA05A Seq. No.: 00032 A/S Pos.: 29 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.069
Background Pk Area (A-s): 0.130
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 28.07 Corrected Conc (ug/L): 28.07

Replicate 2
Peak Area (A-s): 0.070
Background Pk Area (A-s): 0.136
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 28.51 Corrected Conc (ug/L): 28.51

DATACHEM LABORATORIES - GFAA ANALYSIS

221

Mean Conc (ug/L): 28.29 SD: 0.310 RSD(%): 1.10
Corrected Conc (ug/L): 28.29

11

As ID: MERA06 Seq. No.: 00033 A/S Pos.: 30 Date: 05/18/92

Replicate 1 Time: 11:30
Peak Area (A-s): 0.047 Peak Height (A): 0.060
Background Pk Area (A-s): 0.133 Background Pk Height (A): 0.165
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 19.18 Corrected Conc (ug/L): 19.18

Replicate 2 Time: 11:32
Peak Area (A-s): 0.049 Peak Height (A): 0.062
Background Pk Area (A-s): 0.130 Background Pk Height (A): 0.166
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 19.80 Corrected Conc (ug/L): 19.80

Mean Conc (ug/L): 19.49 SD: 0.442 RSD(%): 2.27
Corrected Conc (ug/L): 19.49

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: MERA06A Seq. No.: 00034 A/S Pos.: 31 Date: 05/18/92

Replicate 1 Time: 11:34
Peak Area (A-s): 0.100 Peak Height (A): 0.120
Background Pk Area (A-s): 0.133 Background Pk Height (A): 0.167
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 40.91 Corrected Conc (ug/L): 40.91

Replicate 2 Time: 11:36
Peak Area (A-s): 0.100 Peak Height (A): 0.120
Background Pk Area (A-s): 0.133 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 40.78 Corrected Conc (ug/L): 40.78

Mean Conc (ug/L): 40.85 SD: 0.089 RSD(%): 0.22
Corrected Conc (ug/L): 40.85

As ID: CCV 4 Seq. No.: 00035 A/S Pos.: 32 Date: 05/18/92

Replicate 1 Time: 11:38
Peak Area (A-s): 0.137 Peak Height (A): 0.143
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 56.16

Replicate 2 Time: 11:40
Peak Area (A-s): 0.130 Peak Height (A): 0.141
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 53.32

Mean Conc (ug/L): 54.74 SD: 2.011 RSD(%): 3.67

CCV₁₁ for SDG
MERA 01
T.C. 5/18/92

222

As ID: CCB 4 Seq. No.: 00036 A/S Pos.: 33 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.049
Time: 11:42
Peak Height (A): 0.009
Background Pk Height (A): 0.051

12

DATACHEM LABORATORIES - GFAA ANALYSIS

Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.06

CCB_{II} for SDG
MERA 01

Replicate 2
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.046
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.12

T.C. 5/18/92

Mean Conc (ug/L): 0.03 SD: 0.130 RSD(%): 453.81

AS ID: S0 Seq. No.: 00037 A/S Pos.: 1 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.054
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.67

Data not used.

Reslope

T.C.

5/18/92

Replicate 2
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.055
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.57

Mean Conc (ug/L): -0.62 SD: 0.069 RSD(%): 11.10

Auto-zero performed.

AS ID: S50 Seq. No.: 00038 A/S Pos.: 37 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.128
Background Pk Area (A-s): 0.061
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 53.28

Replicate 2
Peak Area (A-s): 0.130
Background Pk Area (A-s): 0.060
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 53.82

Mean Conc (ug/L): 53.55 SD: 0.382 RSD(%): 0.71

Reslope standard applied. [50.00]
Correlation coefficient: 0.99999 Slope: 0.0024

AS ID: CCV 5 Seq. No.: 00039 A/S Pos.: 32 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.127
Background Pk Area (A-s): 0.063
Time: 11:54
Peak Height (A): 0.134
Background Pk Height (A): 0.053

223

Blank Corrected Pk Area (A-s): 0.129

Concentration (ug/L): 49.29

13

*CCV₁₂ for SDG
MERA 01*

T.C. 5/18/92

Replicate 2 Time: 11:56
Peak Area (A-s): 0.130 Peak Height (A): 0.138
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 50.38

Mean Conc (ug/L): 49.83 SD: 0.769 RSD(%): 1.54

As ID: CCB 5 Seq. No.: 00040 A/S Pos.: 33 Date: 05/18/92

Replicate 1 Time: 11:58
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.54

Replicate 2 Time: 12:00
Peak Area (A-s): -0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.19

Mean Conc (ug/L): 0.18 SD: 0.515 RSD(%): 287.70

As ID: MERA07 Seq. No.: 00041 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 12:02
Peak Area (A-s): 0.028 Peak Height (A): 0.036
Background Pk Area (A-s): 0.175 Background Pk Height (A): 0.164
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 11.48 Corrected Conc (ug/L): 11.45

Replicate 2 Time: 12:04
Peak Area (A-s): 0.026 Peak Height (A): 0.036
Background Pk Area (A-s): 0.191 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.61 Corrected Conc (ug/L): 10.61

Mean Conc (ug/L): 11.05 SD: 0.610 RSD(%): 5.52
Corrected Conc (ug/L): 11.05

As ID: MERA07A Seq. No.: 00042 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 12:06
Peak Area (A-s): 0.083 Peak Height (A): 0.100
Background Pk Area (A-s): 0.188 Background Pk Height (A): 0.170
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 32.06 Corrected Conc (ug/L): 32.06

Replicate 2 Time: 12:08
Peak Area (A-s): 0.079 Peak Height (A): 0.095
Background Pk Area (A-s): 0.188 Background Pk Height (A): 0.174
Blank Corrected Pk Area (A-s): 0.082

*CCB₁₂ for SDG
MERA 01*

T.C. 5/18/92

DATACHEM LABORATORIES — GFAA ANALYSIS

224

Concentration (ug/L): 30.80 Corrected Conc (ug/L): 30.80

Mean Conc (ug/L): 31.43 SD: 0.895 RSD(%): 2.85

14

Corrected Conc (ug/L): 31.43

As ID: MERA08 Seq. No.: 00043 A/S Pos.: 13 Date: 05/18/92

Replicate 1 Time: 12:11
Peak Area (A-s): 0.228 Peak Height (A): 0.253
Background Pk Area (A-s): 0.428 Background Pk Height (A): 0.287
Blank Corrected Pk Area (A-s): 0.231
Concentration (ug/L): 89.36 Corrected Conc (ug/L): 89.36

Replicate 2 Time: 12:13
Peak Area (A-s): 0.227 Peak Height (A): 0.249
Background Pk Area (A-s): 0.408 Background Pk Height (A): 0.274
Blank Corrected Pk Area (A-s): 0.230
Concentration (ug/L): 88.96 Corrected Conc (ug/L): 88.96

Mean Conc (ug/L): 89.16 SD: 0.285 RSD(%): 0.32
Corrected Conc (ug/L): 89.16

As ID: MERA08A Seq. No.: 00044 A/S Pos.: 14 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 12:15
Peak Area (A-s): 0.279 Peak Height (A): 0.306
Background Pk Area (A-s): 0.408 Background Pk Height (A): 0.280
Blank Corrected Pk Area (A-s): 0.281
Concentration (ug/L): 109.84 Corrected Conc (ug/L): 109.84

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 12:17
Peak Area (A-s): 0.275 Peak Height (A): 0.299
Background Pk Area (A-s): 0.404 Background Pk Height (A): 0.274
Blank Corrected Pk Area (A-s): 0.277
Concentration (ug/L): 108.27 Corrected Conc (ug/L): 108.27

DATACHEM LABORATORIES - GFAA ANALYSIS

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 109.06 SD: 1.112 RSD(%): 1.02
Corrected Conc (ug/L): 109.06

As ID: MERA09 Seq. No.: 00045 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 12:19
Peak Area (A-s): 0.168 Peak Height (A): 0.179
Background Pk Area (A-s): 0.330 Background Pk Height (A): 0.224
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 65.39 Corrected Conc (ug/L): 65.39

Replicate 2 Time: 12:21
Peak Area (A-s): 0.165 Peak Height (A): 0.184
Background Pk Area (A-s): 0.332 Background Pk Height (A): 0.227
Blank Corrected Pk Area (A-s): 0.167
Concentration (ug/L): 64.14 Corrected Conc (ug/L): 64.14

225

Mean Conc (ug/L): 64.76 SD: 0.585 RSD(%): 1.37
Corrected Conc (ug/L): 64.76

15

As ID: MERA09A Seq. No.: 00046 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 12:23
Peak Area (A-s): 0.219 Peak Height (A): 0.232
Background Pk Area (A-s): 0.333 Background Pk Height (A): 0.211
Blank Corrected Pk Area (A-s): 0.221
Concentration (ug/L): 85.46 Corrected Conc (ug/L): 85.46

Replicate 2 Time: 12:25
Peak Area (A-s): 0.215 Peak Height (A): 0.233
Background Pk Area (A-s): 0.342 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.217
Concentration (ug/L): 83.94 Corrected Conc (ug/L): 83.94

Mean Conc (ug/L): 84.70 SD: 1.075 RSD(%): 1.27
Corrected Conc (ug/L): 84.70

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: MERA10 Seq. No.: 00047 A/S Pos.: 17 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 12:27
Peak Area (A-s): 0.360 Peak Height (A): 0.378
Background Pk Area (A-s): 0.694 Background Pk Height (A): 0.555
Blank Corrected Pk Area (A-s): 0.362
Concentration (ug/L): 143.45 Corrected Conc (ug/L): 143.45

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 12:29
Peak Area (A-s): 0.362 Peak Height (A): 0.377
Background Pk Area (A-s): 0.706 Background Pk Height (A): 0.549
Blank Corrected Pk Area (A-s): 0.364
Concentration (ug/L): 144.29 Corrected Conc (ug/L): 144.29

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 143.57 SD: 0.598 RSD(%): 0.42
Corrected Conc (ug/L): 143.87

As ID: MERA11 Seq. No.: 00048 A/S Pos.: 19 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 12:31
Peak Area (A-s): 0.337 Peak Height (A): 0.335
Background Pk Area (A-s): 0.871 Background Pk Height (A): 0.693
Blank Corrected Pk Area (A-s): 0.340
Concentration (ug/L): 133.96 Corrected Conc (ug/L): 133.98

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 12:33
Peak Area (A-s): 0.335 Peak Height (A): 0.328
Background Pk Area (A-s): 0.863 Background Pk Height (A): 0.662
Blank Corrected Pk Area (A-s): 0.337
Concentration (ug/L): 132.84 Corrected Conc (ug/L): 132.84

226

sample abs. is greater than that of the largest standard.

Mean Conc (ug/L): 133.41 SD: 0.805

RSD(%): 0.60

Corrected Conc (ug/L): 133.41

16

As ID: CCB Seq. No.: 00049 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 12:35

Peak Area (A-s): -0.001 Peak Height (A): 0.005

Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.075

Blank Corrected Pk Area (A-s): 0.002

Concentration (ug/L): 0.57

Replicate 2 Time: 12:37

Peak Area (A-s): -0.001 Peak Height (A): 0.006

Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.070

Blank Corrected Pk Area (A-s): 0.001

Concentration (ug/L): 0.35

Mean Conc (ug/L): 0.46 SD: 0.156 RSD(%): 34.11

Data not used.

CCB was run before CCV.

T.C. 5/18/92

As ID: CCV 6 Seq. No.: 00050 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 12:39

Peak Area (A-s): 0.137 Peak Height (A): 0.136

Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.073

Blank Corrected Pk Area (A-s): 0.140

Concentration (ug/L): 53.23

Replicate 2 Time: 12:40

Peak Area (A-s): 0.132 Peak Height (A): 0.139

Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.072

Blank Corrected Pk Area (A-s): 0.134

Concentration (ug/L): 51.04

Mean Conc (ug/L): 52.14 SD: 1.546 RSD(%): 2.97

*CCV₁₃ for SDG
MERA 01*

T.C. 5/18/92

As ID: CCB 6 Seq. No.: 00051 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 12:42

Peak Area (A-s): -0.001 Peak Height (A): 0.007

Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.071

Blank Corrected Pk Area (A-s): 0.001

Concentration (ug/L): 0.51

Replicate 2 Time: 12:44

Peak Area (A-s): -0.001 Peak Height (A): 0.007

Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.071

Blank Corrected Pk Area (A-s): 0.001

Concentration (ug/L): 0.53

Mean Conc (ug/L): 0.52 SD: 0.015 RSD(%): 2.88

*CCB₁₃ for SDG
MERA 01*

T.C.
5-18-92

DATACHEM LABORATORIES — GFAA ANALYSIS

As ID: MERA01-20X Seq. No.: 00052 A/S Pos.: 23 Date: 05/18/92

227

Replicate 1 Time: 12:48

Peak Area (A-s): 0.026 Peak Height (A): 0.031

Background Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.46

Background Pk Height (A): 0.106
Corrected Conc (ug/L): 209.2

17

Replicate 2
Peak Area (A-s): 0.024
Background Pk Area (A-s): 0.071
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 9.73
Time: 12:50
Peak Height (A): 0.028
Background Pk Height (A): 0.096
Corrected Conc (ug/L): 194.5

Mean Conc (ug/L): 10.09 SD: 0.519 RSD(%): 5.14
Corrected Conc (ug/L): 201.9

AS ID: MERA01A-20X Seq. No.: 00053 A/S Pos.: 24 Date: 05/18/92
Replicate 1
Peak Area (A-s): 0.075
Background Pk Area (A-s): 0.068
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 29.25
Time: 12:52
Peak Height (A): 0.079
Background Pk Height (A): 0.086
Corrected Conc (ug/L): 585.1

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2
Peak Area (A-s): 0.075
Background Pk Area (A-s): 0.067
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 29.10
Time: 12:54
Peak Height (A): 0.072
Background Pk Height (A): 0.084
Corrected Conc (ug/L): 582.0

Mean Conc (ug/L): 29.18 SD: 0.108 RSD(%): 0.37
Corrected Conc (ug/L): 583.5

AS ID: MERA02-10X Seq. No.: 00054 A/S Pos.: 25 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.032
Background Pk Area (A-s): 0.073
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 12.66
Time: 12:56
Peak Height (A): 0.035
Background Pk Height (A): 0.106
Corrected Conc (ug/L): 126.6

Replicate 2
Peak Area (A-s): 0.032
Background Pk Area (A-s): 0.068
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 12.91
Time: 12:58
Peak Height (A): 0.037
Background Pk Height (A): 0.097
Corrected Conc (ug/L): 129.1

Mean Conc (ug/L): 12.79 SD: 0.180 RSD(%): 1.41
Corrected Conc (ug/L): 127.9

AS ID: MERA02A-10X Seq. No.: 00055 A/S Pos.: 26 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.085
Background Pk Area (A-s): 0.072
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 32.97
Time: 13:00
Peak Height (A): 0.089
Background Pk Height (A): 0.102
Corrected Conc (ug/L): 329.7

Replicate 2
Peak Area (A-s): 0.084
Time: 13:02
Peak Height (A): 0.089

228

Background Pk Area (A-s): 0.070
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 32.78

Background Pk Height (A): 0.099
Corrected Conc (ug/L): 327.8

18

Mean Conc (ug/L): 32.88 SD: 0.136 RSD(%): 0.41
Corrected Conc (ug/L): 328.8

As ID: MERA02S-10X Seq. No.: 00056 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 13:04
Peak Area (A-s): 0.034 Peak Height (A): 0.048
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 13.66 Corrected Conc (ug/L): 136.6

Replicate 2 Time: 13:06
Peak Area (A-s): 0.047 Peak Height (A): 0.049
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 18.48 Corrected Conc (ug/L): 184.8

Mean Conc (ug/L): 16.07 SD: 3.412 RSD(%): 21.23
Corrected Conc (ug/L): 160.7

*Data not used.
RSD % 7 20.0%
T.C. 5/18/92*

As ID: MERA08-SX Seq. No.: 00057 A/S Pos.: 28 Date: 05/18/92

Replicate 1 Time: 13:08
Peak Area (A-s): 0.030 Peak Height (A): 0.034
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 11.92 Corrected Conc (ug/L): 95.4

Replicate 2 Time: 13:10
Peak Area (A-s): 0.029 Peak Height (A): 0.039
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 11.72 Corrected Conc (ug/L): 93.8

Mean Conc (ug/L): 11.82 SD: 0.144 RSD(%): 1.22
Corrected Conc (ug/L): 94.6

DATACHEM LABORATORIES - GFAA ANALYSIS

As ID: MERA08A-8X Seq. No.: 00058 A/S Pos.: 29 Date: 05/18/92

Replicate 1 Time: 13:12
Peak Area (A-s): 0.082 Peak Height (A): 0.091
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 31.74 Corrected Conc (ug/L): 254.0

Replicate 2 Time: 13:14
Peak Area (A-s): 0.081 Peak Height (A): 0.087
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 31.52 Corrected Conc (ug/L): 252.2

Mean Conc (ug/L): 31.63 SD: 0.157 RSD(%): 0.50
Corrected Conc (ug/L): 253.1

229

19

AS ID: MERA10-10X Seq. No.: 00059 A/S Pos.: 30 Date: 05/18/92

Replicate 1 Time: 13:16
 Peak Area (A-s): 0.037 Peak Height (A): 0.044
 Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.097
 Blank Corrected Pk Area (A-s): 0.040
 Concentration (ug/L): 14.83 Corrected Conc (ug/L): 148.3

Replicate 2 Time: 13:18
 Peak Area (A-s): 0.035 Peak Height (A): 0.043
 Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.091
 Blank Corrected Pk Area (A-s): 0.037
 Concentration (ug/L): 13.88 Corrected Conc (ug/L): 138.8

Mean Conc (ug/L): 14.36 SD: 0.675 RSD(%): 4.70
 Corrected Conc (ug/L): 143.6

DATACHEM LABORATORIES - GFAA ANALYSIS

AS ID: MERA10A-10X Seq. No.: 00060 A/S Pos.: 31 Date: 05/18/92

Replicate 1 Time: 13:21
 Peak Area (A-s): 0.086 Peak Height (A): 0.090
 Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.096
 Blank Corrected Pk Area (A-s): 0.088
 Concentration (ug/L): 33.29 Corrected Conc (ug/L): 332.9

Replicate 2 Time: 13:23
 Peak Area (A-s): 0.088 Peak Height (A): 0.092
 Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.093
 Blank Corrected Pk Area (A-s): 0.090
 Concentration (ug/L): 34.17 Corrected Conc (ug/L): 341.7

Mean Conc (ug/L): 33.73 SD: 0.625 RSD(%): 1.85
 Corrected Conc (ug/L): 337.3

AS ID: CCV 7 Seq. No.: 00061 A/S Pos.: 32 Date: 05/18/92

Replicate 1 Time: 13:25
 Peak Area (A-s): 0.124 Peak Height (A): 0.130
 Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.126
 Concentration (ug/L): 48.09

Replicate 2 Time: 13:27
 Peak Area (A-s): 0.126 Peak Height (A): 0.136
 Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.059
 Blank Corrected Pk Area (A-s): 0.128
 Concentration (ug/L): 48.68

Mean Conc (ug/L): 48.48 SD: 0.561 RSD(%): 1.16

*CCV₁₄ for SDG
 MERA 01
 T.C. 05/18/92*

230

AS ID: CCB 7 Seq. No.: 00062 A/S Pos.: 33 Date: 05/18/92

Replicate 1 Time: 13:29
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.068

20

Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.39

*CCB₁₄ for SDG
MERA 01*

Replicate 2 Time: 13:31
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.64

T.C. 5/18/92

Mean Conc (ug/L): 0.52 SD: 0.178 RSD(%): 34.55

AS ID: MERA02S-10X Seq. No.: 00063 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 13:33
Peak Area (A-s): 0.046 Peak Height (A): 0.049
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 18.30 Corrected Conc (ug/L): 183.0

Replicate 2 Time: 13:35
Peak Area (A-s): 0.046 Peak Height (A): 0.051
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 18.28 Corrected Conc (ug/L): 182.8

Mean Conc (ug/L): 18.29 SD: 0.012 RSD(%): 0.06
Corrected Conc (ug/L): 182.9

AS ID: MERA11-10X Seq. No.: 00064 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 13:37
Peak Area (A-s): 0.033 Peak Height (A): 0.040
Background Pk Area (A-s): 0.083 Background Pk Height (A): 0.121
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 13.22 Corrected Conc (ug/L): 132.2

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 13:39
Peak Area (A-s): 0.032 Peak Height (A): 0.037
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 12.90 Corrected Conc (ug/L): 129.0

Mean Conc (ug/L): 13.06 SD: 0.225 RSD(%): 1.72
Corrected Conc (ug/L): 130.6

AS ID: MERA11A-10X Seq. No.: 00065 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 13:41
Peak Area (A-s): 0.085 Peak Height (A): 0.090
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.121
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 32.81 Corrected Conc (ug/L): 328.1

231

Replicate 2
Peak Area (A-s): 0.089
Background Pk Area (A-s): 0.097

Time: 13:43
Peak Height (A): 0.093
Background Pk Height (A): 0.133

21

DATACHEM LABORATORIES - GFAA ANALYSIS

Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 34.33 Corrected Conc (ug/L): 343.3

Mean Conc (ug/L): 33.57 SD: 1.075 RSD(%): 3.20
Corrected Conc (ug/L): 335.7

As ID: CCV 8 Seq. No.: 00066 A/S Pos.: 13 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.129
Background Pk Area (A-s): 0.056
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 50.09

Time: 13:45
Peak Height (A): 0.136
Background Pk Height (A): 0.056

CC V15 for SDG
MERA 01

T.C.
5/18/92

Replicate 2
Peak Area (A-s): 0.129
Background Pk Area (A-s): 0.065
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 50.03

Time: 13:47
Peak Height (A): 0.136
Background Pk Height (A): 0.073

Mean Conc (ug/L): 50.06 SD: 0.047 RSD(%): 0.09

As ID: CCB 8 Seq. No.: 00067 A/S Pos.: 14 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.055
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.70

Time: 13:49
Peak Height (A): 0.007
Background Pk Height (A): 0.064

CC B15 for SDG
MERA 01

Replicate 2
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.034
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.51

Time: 13:52
Peak Height (A): 0.009
Background Pk Height (A): 0.052

T.C.
5/18/92

Mean Conc (ug/L): 0.61 SD: 0.137 RSD(%): 22.51

End of the run for SDG MERA 01

As ID: PBS(EL1385) Seq. No.: 00068 A/S Pos.: 11 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.055
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.49

Time: 13:55
Peak Height (A): 0.007
Background Pk Height (A): 0.060

Corrected Conc (ug/L): 0.49

Replicate 2
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.066
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.36

Time: 13:57
Peak Height (A): 0.008
Background Pk Height (A): 0.077

Corrected Conc (ug/L): 0.36

Mean Conc (ug/L): 0.42 SD: 0.093 RSD(%): 21.91

232

Corrected Conc (ug/L): 0.42

22

AS ID: LCSS-200X Seq. No.: 00069 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 13:59
Peak Area (A-s): 0.069 Peak Height (A): 0.074
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 26.97 Corrected Conc (ug/L): 5394.

Replicate 2 Time: 14:01
Peak Area (A-s): 0.068 Peak Height (A): 0.075
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 26.60 Corrected Conc (ug/L): 5319.

Mean Conc (ug/L): 26.78 SD: 0.265 RSD(%): 0.99
Corrected Conc (ug/L): 5357.

AS ID: EL1385 Seq. No.: 00070 A/S Pos.: 13 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 14:03
Peak Area (A-s): 0.665 Peak Height (A): 0.608
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.667
Concentration (ug/L): 279.16 Corrected Conc (ug/L): 279.16

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 14:05
Peak Area (A-s): 0.660 Peak Height (A): 0.607
Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.139
Blank Corrected Pk Area (A-s): 0.662
Concentration (ug/L): 276.97 Corrected Conc (ug/L): 276.97

DATACHEM LABORATORIES — GFAA ANALYSIS

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 278.06 SD: 1.549 RSD(%): 0.56
Corrected Conc (ug/L): 278.06

AS ID: EL1385D Seq. No.: 00071 A/S Pos.: 14 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 14:07
Peak Area (A-s): 0.758 Peak Height (A): 0.701
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.760
Concentration (ug/L): 323.50 Corrected Conc (ug/L): 323.50

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 14:09
Peak Area (A-s): 0.751 Peak Height (A): 0.713
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): 0.753
Concentration (ug/L): 320.25 Corrected Conc (ug/L): 320.25

233

Sample abs. is greater than that of the largest standard.

Mean Conc (ug/L): 321.87 SD: 2.301

RSD(%): 0.71

Corrected Conc (ug/L): 321.87

23

AS ID: EL1385S Seq. No.: 00072 A/S Pos.: 15 Date: 05/18/92

Sample abs. is greater than that of the largest standard.

Replicate 1 Time: 14:11

Peak Area (A-s): 0.846 Peak Height (A): 0.646

Background Pk Area (A-s): 0.282 Background Pk Height (A): 0.154

Blank Corrected Pk Area (A-s): 0.548

Concentration (ug/L): 366.95 Corrected Conc (ug/L): 366.95

Sample abs. is greater than that of the largest standard.

Replicate 2 Time: 14:13

Peak Area (A-s): 0.839 Peak Height (A): 0.668

Background Pk Area (A-s): 0.278 Background Pk Height (A): 0.155

Blank Corrected Pk Area (A-s): 0.842

Concentration (ug/L): 363.81 Corrected Conc (ug/L): 363.81

DATACHEM LABORATORIES - GFAA ANALYSIS

Sample abs. is greater than that of the largest standard.

Mean Conc (ug/L): 365.38 SD: 2.217 RSD(%): 0.61

Corrected Conc (ug/L): 365.38

AS ID: EL1386 Seq. No.: 00073 A/S Pos.: 16 Date: 05/18/92

Sample abs. is greater than that of the largest standard.

Replicate 1 Time: 14:15

Peak Area (A-s): 0.547 Peak Height (A): 0.527

Background Pk Area (A-s): 0.207 Background Pk Height (A): 0.137

Blank Corrected Pk Area (A-s): 0.549

Concentration (ug/L): 224.90 Corrected Conc (ug/L): 224.90

Sample abs. is greater than that of the largest standard.

Replicate 2 Time: 14:18

Peak Area (A-s): 0.556 Peak Height (A): 0.526

Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.145

Blank Corrected Pk Area (A-s): 0.559

Concentration (ug/L): 229.21 Corrected Conc (ug/L): 229.21

Sample abs. is greater than that of the largest standard.

Mean Conc (ug/L): 227.05 SD: 3.045 RSD(%): 1.34

Corrected Conc (ug/L): 227.05

AS ID: EL1385-20X Seq. No.: 00074 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 14:20

Peak Area (A-s): 0.035 Peak Height (A): 0.036

Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.054

Blank Corrected Pk Area (A-s): 0.037

Concentration (ug/L): 13.81 Corrected Conc (ug/L): 276.3

234

Replicate 2 Time: 14:22

Peak Area (A-s): 0.034 Peak Height (A): 0.036

Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.060

Blank Corrected Pk Area (A-s): 0.036

Concentration (ug/L): 13.62 Corrected Conc (ug/L): 272.5

Mean Conc (ug/L): 13.72 SD: 0.135 RSD(%): 0.98
Corrected Conc (ug/L): 274.4

24

As ID: EL1385D-20X Seq. No.: 00075 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 14:24
Peak Area (A-s): 0.030 Peak Height (A): 0.039
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 12.07 Corrected Conc (ug/L): 241.3

Replicate 2 Time: 14:26
Peak Area (A-s): 0.040 Peak Height (A): 0.044
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 15.83 Corrected Conc (ug/L): 316.6

Mean Conc (ug/L): 13.95 SD: 2.660 RSD(%): 19.07
Corrected Conc (ug/L): 278.9

As ID: EL1385S-20X Seq. No.: 00076 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 14:28
Peak Area (A-s): 0.038 Peak Height (A): 0.041
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 14.91 Corrected Conc (ug/L): 298.3

Replicate 2 Time: 14:29
Peak Area (A-s): 0.041 Peak Height (A): 0.048
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 16.41 Corrected Conc (ug/L): 328.1

Mean Conc (ug/L): 15.66 SD: 1.057 RSD(%): 6.75
Corrected Conc (ug/L): 313.2

As ID: EL1386-20X Seq. No.: 00077 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 14:31
Peak Area (A-s): 0.025 Peak Height (A): 0.030
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.30 Corrected Conc (ug/L): 206.0

Replicate 2 Time: 14:33
Peak Area (A-s): 0.026 Peak Height (A): 0.029
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 10.58 Corrected Conc (ug/L): 211.6

Mean Conc (ug/L): 10.44 SD: 0.198 RSD(%): 1.90
Corrected Conc (ug/L): 208.8

DATACHEM LABORATORIES -- GFAA ANALYSIS

235

As ID: CCV 9 Seq. No.: 00078 A/S Pos.: 21 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.136

Time: 14:35
Peak Height (A): 0.145

25

Background Pk Area (A-s): 0.076
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 52.69

Replicate 2
Peak Area (A-s): 0.128
Background Pk Area (A-s): 0.070
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 49.71

Mean Conc (ug/L): 51.20 SD: 2.107 RSD(%): 4.12

As ID: CCB 9 Seq. No.: 00079 A/S Pos.: 22 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.085
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.22

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 2
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.050
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.28

Mean Conc (ug/L): 0.75 SD: 0.669 RSD(%): 89.17

236

SPONSOR: USEPA
 Data Chem acct #: 3533
 Data Chem ID: SF-1148, SF-1149
 Data Chem sample #: CLP 10195-10201
 EDG #: MYH 766
 Case #: 18014
 Matrix: H₂O

USEPA
 3533
 SF-1144
 CLP10195-78
 MERA01
 19026
 H₂O / so, L

Element File: AA2PB.GEL Element: Pb Wavelength: 283.3
 Date: 05/15/92 Time: 09:15 Slit: 0.70 L
 Data File: MYH766P1.DAT ID/WT File: MYH766P1.IOW Lamp Current: 0
 Technique: HGA Calib. Type: Nonlinear Energy: 66

Pb ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/15/92

Replicate 1 Time: 09:15
 Peak Area (A-s): 0.003 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.04

Replicate 2 Time: 09:16
 Peak Area (A-s): 0.004 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.11

Mean Conc (ug/L): 0.08 SD: 0.055 RSD(%): 71.82

Auto-zero performed.

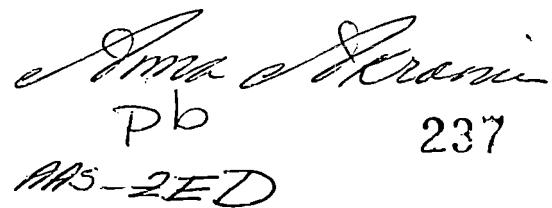
Pb ID: S3 Seq. No.: 00002 A/S Pos.: 2 Date: 05/15/92

Replicate 1 Time: 09:18
 Peak Area (A-s): 0.023 Peak Height (A): 0.044
 Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): 0.020
 Concentration (ug/L): 1.75

Replicate 2 Time: 09:20
 Peak Area (A-s): 0.024 Peak Height (A): 0.044
 Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.020
 Concentration (ug/L): 1.77

Mean Conc (ug/L): 1.76 SD: 0.014 RSD(%): 0.79

DATACHEM LABORATORIES - GFAA ANALYSIS


 Pb 237
 MS-2ED

Standard number 1 applied. [3.00]

Correlation coefficient: 1.00000

Slope: 0.0066

Pb ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/15/92

Replicate 1 Time: 09:22

Peak Area (A-s): 0.128

Peak Height (A): 0.247

Background Pk Area (A-s): 0.047

Background Pk Height (A): 0.035

Blank Corrected Pk Area (A-s): 0.124

Concentration (ug/L): 18.86

Replicate 2 Time: 09:24

Peak Area (A-s): 0.132

Peak Height (A): 0.251

Background Pk Area (A-s): 0.045

Background Pk Height (A): 0.036

Blank Corrected Pk Area (A-s): 0.128

Concentration (ug/L): 19.47

DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 19.17 SD: 0.431 RSD(%): 2.25

Standard number 2 applied. [20.00]

Correlation coefficient: 1.00000 Slope: 0.0066

Pb ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/15/92

Replicate 1 Time: 09:26

Peak Area (A-s): 0.278

Peak Height (A): 0.557

Background Pk Area (A-s): 0.066

Background Pk Height (A): 0.084

Blank Corrected Pk Area (A-s): 0.274

Concentration (ug/L): 46.46

Replicate 2 Time: 09:28

Peak Area (A-s): 0.280

Peak Height (A): 0.517

Background Pk Area (A-s): 0.068

Background Pk Height (A): 0.078

Blank Corrected Pk Area (A-s): 0.276

Concentration (ug/L): 46.83

Mean Conc (ug/L): 46.65 SD: 0.264 RSD(%): 0.57

Standard number 3 applied. [50.00]

Correlation coefficient: 1.00000 Slope: 0.0066

Pb ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/15/92

Sample abs. exceeds the range of the calibration function.

Replicate 1 Time: 09:30

Peak Area (A-s): 0.480

Peak Height (A): 0.818

Background Pk Area (A-s): 0.102

Background Pk Height (A): 0.139

Blank Corrected Pk Area (A-s): 0.476

Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Replicate 2 Time: 09:32

Peak Area (A-s): 0.494

Peak Height (A): 0.819

Background Pk Area (A-s): 0.105

Background Pk Height (A): 0.143

Blank Corrected Pk Area (A-s): 0.490

Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Mean Conc (ug/L): ----

SD: ----

RSD(%): ----

Standard number 4 applied. [100.00]

Correlation coefficient: 0.99989 Slope: 0.0067

Pb ID: ICY Seq. No.: 00006 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 09:35

Peak Area (A-s): 0.275 Peak Height (A): 0.590
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.271
Concentration (ug/L): 48.37

Replicate 2 Time: 09:37

Peak Area (A-s): 0.286 Peak Height (A): 0.630

DATACHEM LABORATORIES - GFAA ANALYSIS

Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.095

Blank Corrected Pk Area (A-s): 0.282
Concentration (ug/L): 50.61

Mean Conc (ug/L): 49.49 SD: 1.579 RSD(%): 3.19

Pb ID: ICB Seq. No.: 00007 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 09:39

Peak Area (A-s): 0.006 Peak Height (A): 0.013
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.25

Replicate 2 Time: 09:41

Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.12

Mean Conc (ug/L): 0.06 SD: 0.265 RSD(%): 407.12

Pb ID: CCV Seq. No.: 00008 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 09:43

Peak Area (A-s): 0.278 Peak Height (A): 0.536
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.274
Concentration (ug/L): 48.96

Replicate 2 Time: 09:45

Peak Area (A-s): 0.286 Peak Height (A): 0.596
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.093
Blank Corrected Pk Area (A-s): 0.282
Concentration (ug/L): 50.55

Mean Conc (ug/L): 49.76 SD: 1.125 RSD(%): 2.26

239

Replicate 1 Time: 09:47
 Peak Area (A-s): 0.004 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.04

Replicate 2 Time: 09:49
 Peak Area (A-s): 0.004 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.03

Mean Conc (ug/L): 0.01 SD: 0.055 RSD(%): 988.91

Pb ID: CRA Seq. No.: 00010 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 09:51
 Peak Area (A-s): 0.021 Peak Height (A): 0.040
 Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): 0.018
 Concentration (ug/L): 2.67

Replicate 2 Time: 09:54
 Peak Area (A-s): 0.023 Peak Height (A): 0.044
 Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): 0.019
 Concentration (ug/L): 2.90

Mean Conc (ug/L): 2.78 SD: 0.164 RSD(%): 5.90

Pb ID: PBW(MYH766) Seq. No.: 00011 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 09:56
 Peak Area (A-s): 0.011 Peak Height (A): 0.025
 Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.052
 Blank Corrected Pk Area (A-s): 0.007
 Concentration (ug/L): 1.01 Corrected Conc (ug/L): 1.13

Replicate 2 Time: 09:58
 Peak Area (A-s): 0.005 Peak Height (A): 0.010
 Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.041
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.12 Corrected Conc (ug/L): 0.13

Mean Conc (ug/L): 0.57 SD: 0.633 RSD(%): 111.87
 Corrected Conc (ug/L): 0.63

Pb ID: PBWA Seq. No.: 00012 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 10:00
 Peak Area (A-s): 0.096 Peak Height (A): 0.253
 Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.040
 Blank Corrected Pk Area (A-s): 0.002

DATACHEM LABORATORIES - GFAA ANALYSIS

*Data not used.
 wrong spike.
 rerun.*

AA 2
 05/15/92 240

Concentration (ug/L): 14.56

Corrected Conc (ug/L): 16.17

Replicate 2

Peak Area (A-s): 0.126

Background Pk Area (A-s): 0.051

Blank Corrected Pk Area (A-s): 0.122

Concentration (ug/L): 19.68

Time: 10:02

Peak Height (A): 0.314

Background Pk Height (A): 0.044

Corrected Conc (ug/L): 21.87

Mean Conc (ug/L): 17.09

SD: 3.624

RSD(%): 21.17

Corrected Conc (ug/L): 18.99

Pb ID: LCSW

Seq. No.: 00013 A/S Pos.: 13 Date: 05/15/92

Replicate 1

Peak Area (A-s): 0.215

Background Pk Area (A-s): 0.048

Time: 10:04

Peak Height (A): 0.536

Background Pk Height (A): 0.085

Blank Corrected Pk Area (A-s): 0.211

Concentration (ug/L): 36.06

Corrected Conc (ug/L): 40.07

Replicate 2

Peak Area (A-s): 0.261

Background Pk Area (A-s): 0.076

Blank Corrected Pk Area (A-s): 0.257

Concentration (ug/L): 45.30

Time: 10:06

Peak Height (A): 0.644

Background Pk Height (A): 0.104

Corrected Conc (ug/L): 50.34

Mean Conc (ug/L): 40.61

SD: 6.537

RSD(%): 16.07

Corrected Conc (ug/L): 45.12

Pb ID: LCSWA

Seq. No.: 00014 A/S Pos.: 14 Date: 05/15/92

Replicate 1

Peak Area (A-s): 0.353

Background Pk Area (A-s): 0.093

Blank Corrected Pk Area (A-s): 0.349

Concentration (ug/L): 65.70

Time: 10:08

Peak Height (A): 0.800

Background Pk Height (A): 0.139

Corrected Conc (ug/L): 73.00

Replicate 2

Peak Area (A-s): 0.295

Background Pk Area (A-s): 0.065

Blank Corrected Pk Area (A-s): 0.292

Concentration (ug/L): 52.70

Time: 10:10

Peak Height (A): 0.702

Background Pk Height (A): 0.116

Corrected Conc (ug/L): 58.56

Mean Conc (ug/L): 59.07

SD: 9.191

RSD(%): 15.52

Corrected Conc (ug/L): 65.63

Pb ID: MYH755

Seq. No.: 00015 A/S Pos.: 15 Date: 05/15/92

Replicate 1

Peak Area (A-s): 0.307

Background Pk Area (A-s): 0.248

Blank Corrected Pk Area (A-s): 0.303

Concentration (ug/L): 55.23

Time: 10:12

Peak Height (A): 0.690

Background Pk Height (A): 0.181

Corrected Conc (ug/L): 61.36

Replicate 2

Peak Area (A-s): 0.324

Time: 10:15

Peak Height (A): 0.692

5
Data not used.
WRONG spike.

Rerun . AA2

05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Blank Corrected Pk Area (A-s): 0.211

Concentration (ug/L): 36.06

Corrected Conc (ug/L): 40.07

Replicate 2

Peak Area (A-s): 0.261

Background Pk Area (A-s): 0.076

Blank Corrected Pk Area (A-s): 0.257

Concentration (ug/L): 45.30

Time: 10:06

Peak Height (A): 0.644

Background Pk Height (A): 0.104

Corrected Conc (ug/L): 50.34

Mean Conc (ug/L): 40.61

SD: 6.537

RSD(%): 16.07

Corrected Conc (ug/L): 45.12

Pb ID: LCSWA

Seq. No.: 00014 A/S Pos.: 14 Date: 05/15/92

Replicate 1

Peak Area (A-s): 0.353

Background Pk Area (A-s): 0.093

Blank Corrected Pk Area (A-s): 0.349

Concentration (ug/L): 65.70

Time: 10:08

Peak Height (A): 0.800

Background Pk Height (A): 0.139

Corrected Conc (ug/L): 73.00

Replicate 2

Peak Area (A-s): 0.295

Background Pk Area (A-s): 0.065

Blank Corrected Pk Area (A-s): 0.292

Concentration (ug/L): 52.70

Time: 10:10

Peak Height (A): 0.702

Background Pk Height (A): 0.116

Corrected Conc (ug/L): 58.56

Mean Conc (ug/L): 59.07

SD: 9.191

RSD(%): 15.52

Corrected Conc (ug/L): 65.63

Pb ID: MYH755

Seq. No.: 00015 A/S Pos.: 15 Date: 05/15/92

Replicate 1

Peak Area (A-s): 0.307

Background Pk Area (A-s): 0.248

Blank Corrected Pk Area (A-s): 0.303

Concentration (ug/L): 55.23

Time: 10:12

Peak Height (A): 0.690

Background Pk Height (A): 0.181

Corrected Conc (ug/L): 61.36

Replicate 2

Peak Area (A-s): 0.324

Time: 10:15

Peak Height (A): 0.692

Data not used.
high RSD for spike.

AA2
05/15/92

241

Background Pk Area (A-s): 0.200
 Blank Corrected Pk Area (A-s): 0.320
 Concentration (ug/L): 59.04
 Background Pk Height (A): 0.185
 Corrected Conc (ug/L): 65.60

Mean Conc (ug/L): 57.12 SD: 2.693 RSD(%): 4.71
 Corrected Conc (ug/L): 63.47

Pb ID: MYH755A Seq. No.: 00016 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 10:17
 Peak Area (A-s): 0.397 Peak Height (A): 0.806
 Background Pk Area (A-s): 0.267 Background Pk Height (A): 0.207
 Blank Corrected Pk Area (A-s): 0.393
 Concentration (ug/L): 76.48 Corrected Conc (ug/L): 84.98

Replicate 2 Time: 10:19
 Peak Area (A-s): 0.282 Peak Height (A): 0.650

Data not used.
 high RSD for spike.
 AA2
 05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.126
 Blank Corrected Pk Area (A-s): 0.278
 Concentration (ug/L): 49.83 Corrected Conc (ug/L): 55.37

Mean Conc (ug/L): 62.61 SD: 18.840 RSD(%): 29.83
 Corrected Conc (ug/L): 69.57

Pb ID: MYH766 Seq. No.: 00017 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 10:21
 Peak Area (A-s): 0.220 Peak Height (A): 0.636
 Background Pk Area (A-s): 0.128 Background Pk Height (A): 0.186
 Blank Corrected Pk Area (A-s): 0.216
 Concentration (ug/L): 37.13 Corrected Conc (ug/L): 41.25

Replicate 2 Time: 10:23
 Peak Area (A-s): 0.006 Peak Height (A): 0.020
 Background Pk Area (A-s): 0.183 Background Pk Height (A): 0.093
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.33 Corrected Conc (ug/L): 0.36

Mean Conc (ug/L): 17.49 SD: 26.022 RSD(%): 138.94
 Corrected Conc (ug/L): 19.44

Pb ID: MYH766A Seq. No.: 00018 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 10:25
 Peak Area (A-s): 0.124 Peak Height (A): 0.329
 Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.134
 Blank Corrected Pk Area (A-s): 0.120
 Concentration (ug/L): 19.29 Corrected Conc (ug/L): 21.43

Replicate 2 Time: 10:27
 Peak Area (A-s): 0.128 Peak Height (A): 0.331
 Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.143
 Blank Corrected Pk Area (A-s): 0.124
 Concentration (ug/L): 20.02 Corrected Conc (ug/L): 22.24

Mean Conc (ug/L): 19.65 SD: 0.517 RSD(%): 2.63

Data not used.
 high RSD.

AA2
 05/15/92

242

Corrected Conc (ug/L): 21.00

↓ Data not used.
high RSD. AA2 05/15/92

Z

Pb ID: CCV₂ Seq. No.: 00019 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 10:29
Peak Area (A-s): 0.282 Peak Height (A): 0.535
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.278
Concentration (ug/L): 49.88

Replicate 2 Time: 10:31
Peak Area (A-s): 0.281 Peak Height (A): 0.592
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.278
Concentration (ug/L): 49.68

Mean Conc (ug/L): 49.78 SD: 0.138 RSD(%): 0.28

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: CCB₂ Seq. No.: 00020 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 10:33
Peak Area (A-s): 0.006 Peak Height (A): 0.011
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.30

Replicate 2 Time: 10:34
Peak Area (A-s): 0.006 Peak Height (A): 0.009
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.37

Mean Conc (ug/L): 0.34 SD: 0.053 RSD(%): 15.66

Pb ID: PBW(HYH766) Seq. No.: 00021 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 10:37
Peak Area (A-s): 0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.10 Corrected Conc (ug/L): 0.11

Replicate 2 Time: 10:39
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.13 Corrected Conc (ug/L): -0.14

Mean Conc (ug/L): -0.01 SD: 0.159 RSD(%): 1202.56
Corrected Conc (ug/L): -0.01

Pb ID: PBWA Seq. No.: 00022 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 10:42
Peak Area (A-s): 0.128 Peak Height (A): 0.315
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.047

243

Blank Corrected Pk Area (A-s): 0.124
 Concentration (ug/L): 20.11 Corrected Conc (ug/L): 22.35

Replicate 2 Time: 10:44
 Peak Area (A-s): 0.127 Peak Height (A): 0.325
 Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.048
 Blank Corrected Pk Area (A-s): 0.123
 Concentration (ug/L): 19.84 Corrected Conc (ug/L): 22.04

Mean Conc (ug/L): 19.97 SD: 0.195 RSD(%): 0.98
 Corrected Conc (ug/L): 22.19

Pb ID: MYH755 Seq. No.: 00023 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 10:46
 Peak Area (A-s): 0.311 Peak Height (A): 0.676
 Background Pk Area (A-s): 0.241 Background Pk Height (A): 0.173

Blank Corrected Pk Area (A-s): 0.308
 Concentration (ug/L): 56.23 Corrected Conc (ug/L): 62.47

Replicate 2 Time: 10:48
 Peak Area (A-s): 0.232 Peak Height (A): 0.567
 Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.110
 Blank Corrected Pk Area (A-s): 0.228
 Concentration (ug/L): 39.42 Corrected Conc (ug/L): 43.80

Mean Conc (ug/L): 47.59 SD: 11.884 RSD(%): 24.85
 Corrected Conc (ug/L): 52.88

Pb ID: MYH755 Seq. No.: 00024 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 10:52
 Peak Area (A-s): 0.235 Peak Height (A): 0.543
 Background Pk Area (A-s): 0.161 Background Pk Height (A): 0.109
 Blank Corrected Pk Area (A-s): 0.231
 Concentration (ug/L): 39.98 Corrected Conc (ug/L): 44.42

Replicate 2 Time: 10:54
 Peak Area (A-s): 0.228 Peak Height (A): 0.504
 Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.102
 Blank Corrected Pk Area (A-s): 0.224
 Concentration (ug/L): 38.64 Corrected Conc (ug/L): 42.94

Mean Conc (ug/L): 39.31 SD: 0.947 RSD(%): 2.41
 Corrected Conc (ug/L): 43.68

Pb ID: MYH755A Seq. No.: 00025 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 10:56
 Peak Area (A-s): 0.390 Peak Height (A): 0.782
 Background Pk Area (A-s): 0.253 Background Pk Height (A): 0.210
 Blank Corrected Pk Area (A-s): 0.386
 Concentration (ug/L): 74.73 Corrected Conc (ug/L): 83.03

Replicate 2 Time: 10:58
 Peak Area (A-s): 0.282 Peak Height (A): 0.618

Data not used. sample
without spike.

AA2
05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Data not used

high RSD for spike

AA2
05/15/92

244

Background Pk Area (A-s): 0.172
 Blank Corrected Pk Area (A-s): 0.278
 Concentration (ug/L): 49.79
 Mean Conc (ug/L): 61.78
 Corrected Conc (ug/L): 68.65

Background Pk Height (A): 0.11/
 Corrected Conc (ug/L): 55.32
 SD: 17.634 RSD(%): 28.32

Data not used.
 high RSD for spike.
 AA2 05/15/92

9

Pb ID: MYH755 Seq. No.: 00026 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 11:03
 Peak Area (A-s): 0.324 Peak Height (A): 0.665
 Background Pk Area (A-s): 0.235 Background Pk Height (A): 0.185
 Blank Corrected Pk Area (A-s): 0.320
 Concentration (ug/L): 59.07 Corrected Conc (ug/L): 65.63

Replicate 2 Time: 11:05
 Peak Area (A-s): 0.321 Peak Height (A): 0.675

DATACHEM LABORATORIES - GFAA ANALYSIS

Background Pk Area (A-s): 0.256 Background Pk Height (A): 0.190
 Blank Corrected Pk Area (A-s): 0.317
 Concentration (ug/L): 58.37 Corrected Conc (ug/L): 64.86
 Mean Conc (ug/L): 58.72 SD: 0.489 RSD(%): 0.83
 Corrected Conc (ug/L): 65.24

Pb ID: MYH755A Seq. No.: 00027 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 11:07
 Peak Area (A-s): 0.395 Peak Height (A): 0.789
 Background Pk Area (A-s): 0.269 Background Pk Height (A): 0.210
 Blank Corrected Pk Area (A-s): 0.391
 Concentration (ug/L): 75.88 Corrected Conc (ug/L): 84.31

Replicate 2 Time: 11:09
 Peak Area (A-s): 0.405 Peak Height (A): 0.782
 Background Pk Area (A-s): 0.277 Background Pk Height (A): 0.212
 Blank Corrected Pk Area (A-s): 0.401
 Concentration (ug/L): 78.38 Corrected Conc (ug/L): 87.09

Mean Conc (ug/L): 77.13 SD: 1.768 RSD(%): 2.29
 Corrected Conc (ug/L): 85.70

Pb ID: MYH766 Seq. No.: 00028 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 11:11
 Peak Area (A-s): 0.006 Peak Height (A): 0.022
 Background Pk Area (A-s): 0.190 Background Pk Height (A): 0.104
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.37 Corrected Conc (ug/L): 0.41

Replicate 2 Time: 11:13
 Peak Area (A-s): 0.007 Peak Height (A): 0.020
 Background Pk Area (A-s): 0.191 Background Pk Height (A): 0.108
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.49 Corrected Conc (ug/L): 0.55

Mean Conc (ug/L): 0.43 SD: 0.088 RSD(%): 20.47

Data not used high RSD
 for spike. AA2 05/15/92

245

Corrected Conc (ug/L): 0.48

10

Pb ID: HYH766A Seq. No.: 00029 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 11:15
Peak Area (A-s): 0.090 Peak Height (A): 0.236
Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 13.59 Corrected Conc (ug/L): 15.10

Replicate 2 Time: 11:17
Peak Area (A-s): 0.125 Peak Height (A): 0.332
Background Pk Area (A-s): 0.200 Background Pk Height (A): 0.141
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 19.62 Corrected Conc (ug/L): 21.80

Mean Conc (ug/L): 16.57 SD: 4.269 RSD(%): 25.71

Corrected Conc (ug/L): 18.41

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: CCV₃ Seq. No.: 00030 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 11:19
Peak Area (A-s): 0.288 Peak Height (A): 0.595
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): 0.284
Concentration (ug/L): 51.13

Replicate 2 Time: 11:21
Peak Area (A-s): 0.288 Peak Height (A): 0.590
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.284
Concentration (ug/L): 51.05

Mean Conc (ug/L): 51.09 SD: 0.058 RSD(%): 0.11

Pb ID: CCB₃ Seq. No.: 00031 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 11:23
Peak Area (A-s): 0.005 Peak Height (A): 0.015
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.10

Replicate 2 Time: 11:25
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.03

Mean Conc (ug/L): 0.03 SD: 0.095 RSD(%): 275.51

Pb ID: HYH766D Seq. No.: 00032 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 11:28
Peak Area (A-s): 0.007 Peak Height (A): 0.022

Data not used high RSD
for spike.

AA-2
05/15/92

246

Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.042
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.43 Corrected Conc (ug/L): 0.47

Replicate 2 Time: 11:30
 Peak Area (A-s): 0.007 Peak Height (A): 0.022
 Background Pk Area (A-s): 0.101 Background Pk Height (A): 0.040
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.46 Corrected Conc (ug/L): 0.51

Mean Conc (ug/L): 0.44 SD: 0.026 RSD(%): 5.76
 Corrected Conc (ug/L): 0.49

Pb ID: MYH7660A Seq. No.: 00033 A/S Pos.: 22 Date: 05/15/92

Replicate 1 Time: 11:32
 Peak Area (A-s): 0.088 Peak Height (A): 0.233

DATACHEM LABORATORIES - GFAA ANALYSIS

Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.051
 Blank Corrected Pk Area (A-s): 0.084
 Concentration (ug/L): 13.24 Corrected Conc (ug/L): 14.71

Replicate 2 Time: 11:34
 Peak Area (A-s): 0.086 Peak Height (A): 0.230
 Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.050
 Blank Corrected Pk Area (A-s): 0.082
 Concentration (ug/L): 12.91 Corrected Conc (ug/L): 14.34

Mean Conc (ug/L): 13.07 SD: 0.235 RSD(%): 1.80
 Corrected Conc (ug/L): 14.53

Pb ID: MYH766S Seq. No.: 00034 A/S Pos.: 23 Date: 05/15/92

Replicate 1 Time: 11:36
 Peak Area (A-s): 0.089 Peak Height (A): 0.235
 Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.052
 Blank Corrected Pk Area (A-s): 0.085
 Concentration (ug/L): 13.45 Corrected Conc (ug/L): 14.94

Replicate 2 Time: 11:38
 Peak Area (A-s): 0.094 Peak Height (A): 0.243
 Background Pk Area (A-s): 0.110 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.090
 Concentration (ug/L): 14.29 Corrected Conc (ug/L): 15.87

Mean Conc (ug/L): 13.87 SD: 0.591 RSD(%): 4.26
 Corrected Conc (ug/L): 15.41

Pb ID: MYH781 Seq. No.: 00035 A/S Pos.: 24 Date: 05/15/92

Replicate 1 Time: 11:40
 Peak Area (A-s): 0.008 Peak Height (A): 0.016
 Background Pk Area (A-s): 0.127 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.64 Corrected Conc (ug/L): 0.71

Replicate ? Time: 11:42

Peak Area (A-s): 0.008 Peak Height (A): 0.024
 Background Pk Area (A-s): 0.116 Background Pk Height (A): 0.054
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.55 Corrected Conc (ug/L): 0.61

Mean Conc (ug/L): 0.60 SD: 0.061 RSD(%): 10.16
 Corrected Conc (ug/L): 0.66

Pb ID: MYH781A Seq. No.: 00036 A/S Pos.: 25 Date: 05/15/92

Replicate 1 Time: 11:44
 Peak Area (A-s): 0.074 Peak Height (A): 0.179
 Background Pk Area (A-s): 0.136 Background Pk Height (A): 0.063
 Blank Corrected Pk Area (A-s): 0.070
 Concentration (ug/L): 10.90 Corrected Conc (ug/L): 12.11

Replicate 2 Time: 11:46

Peak Area (A-s): 0.079 Peak Height (A): 0.193
 Background Pk Area (A-s): 0.135 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): 0.075
 Concentration (ug/L): 11.84 Corrected Conc (ug/L): 13.15

Mean Conc (ug/L): 11.37 SD: 0.661 RSD(%): 5.82
 Corrected Conc (ug/L): 12.63

Pb ID: MYH782 Seq. No.: 00037 A/S Pos.: 26 Date: 05/15/92

Replicate 1 Time: 11:48
 Peak Area (A-s): 0.013 Peak Height (A): 0.034
 Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.032
 Blank Corrected Pk Area (A-s): 0.010
 Concentration (ug/L): 1.43 Corrected Conc (ug/L): 1.59

Replicate 2 Time: 11:50
 Peak Area (A-s): 0.013 Peak Height (A): 0.033
 Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.034
 Blank Corrected Pk Area (A-s): 0.010
 Concentration (ug/L): 1.45 Corrected Conc (ug/L): 1.61

Mean Conc (ug/L): 1.44 SD: 0.011 RSD(%): 0.75
 Corrected Conc (ug/L): 1.60

Pb ID: MYH782A Seq. No.: 00038 A/S Pos.: 27 Date: 05/15/92

Replicate 1 Time: 11:52
 Peak Area (A-s): 0.115 Peak Height (A): 0.306
 Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.044
 Blank Corrected Pk Area (A-s): 0.112
 Concentration (ug/L): 17.88 Corrected Conc (ug/L): 19.87

Replicate 2 Time: 11:54
 Peak Area (A-s): 0.141 Peak Height (A): 0.361
 Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.137
 Concentration (ug/L): 22.28 Corrected Conc (ug/L): 24.76

DATACHEM LABORATORIES - GRAA ANALYSIS

Mean Conc (ug/L): 20.01 SD: 3.112 RSD(%): 15.49
Corrected Conc (ug/L): 22.30

13

Pb ID: PBW(MYH766) Seq. No.: 00039 A/S Pos.: 28 Date: 05/15/92

Replicate 1 Time: 11:56
Peak Area (A-s): 0.010 Peak Height (A): 0.027
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.99 Corrected Conc (ug/L): 1.10

Replicate 2 Time: 11:58
Peak Area (A-s): 0.012 Peak Height (A): 0.035
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.28 Corrected Conc (ug/L): 1.42

Data not used. For identification
only. AA2
05/15/92

Mean Conc (ug/L): 1.13 SD: 0.206 RSD(%): 18.23
Corrected Conc (ug/L): 1.26

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: PBWA Seq. No.: 00040 A/S Pos.: 29 Date: 05/15/92

Replicate 1 Time: 12:01
Peak Area (A-s): 0.142 Peak Height (A): 0.352
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 22.47 Corrected Conc (ug/L): 24.97

Replicate 2 Time: 12:03
Peak Area (A-s): 0.140 Peak Height (A): 0.346
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 22.26 Corrected Conc (ug/L): 24.73

Mean Conc (ug/L): 22.37 SD: 0.153 RSD(%): 0.68
Corrected Conc (ug/L): 24.85

Pb ID: CCV₄ Seq. No.: 00041 A/S Pos.: 30 Date: 05/15/92

Replicate 1 Time: 12:05
Peak Area (A-s): 0.300 Peak Height (A): 0.604
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.296
Concentration (ug/L): 53.61

Replicate 2 Time: 12:07
Peak Area (A-s): 0.293 Peak Height (A): 0.645
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.104
Blank Corrected Pk Area (A-s): 0.289
Concentration (ug/L): 52.22

Mean Conc (ug/L): 52.91 SD: 0.979 RSD(%): 1.85

249

Pb ID: CCB₄ Seq. No.: 00042 A/S Pos.: 31 Date: 05/15/92

Replicate 1 Time: 12:09
 Peak Area (A-s): 0.006 Peak Height (A): 0.013
 Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.018
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.29

Replicate 2 Time: 12:11
 Peak Area (A-s): 0.006 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.30

Mean Conc (ug/L): 0.29 SD: 0.007 RSD(%): 2.43

Pb ID: MYH766 Seq. No.: 00043 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 13:00

DATACHEM LABORATORIES - GFAA ANALYSIS

Peak Area (A-s): 0.010 Peak Height (A): 0.029
 Background Pk Area (A-s): 0.134 Background Pk Height (A): 0.118
 Blank Corrected Pk Area (A-s): 0.006
 Concentration (ug/L): 0.88 Corrected Conc (ug/L): 0.98

Replicate 2 Time: 13:02
 Peak Area (A-s): 0.008 Peak Height (A): 0.024
 Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.105
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.56 Corrected Conc (ug/L): 0.63

Mean Conc (ug/L): 0.72 SD: 0.226 RSD(%): 31.26
 Corrected Conc (ug/L): 0.80

Pb ID: MYH766A Seq. No.: 00044 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 13:04
 Peak Area (A-s): 0.134 Peak Height (A): 0.343
 Background Pk Area (A-s): 0.190 Background Pk Height (A): 0.151
 Blank Corrected Pk Area (A-s): 0.131
 Concentration (ug/L): 21.19 Corrected Conc (ug/L): 23.54

Replicate 2 Time: 13:06
 Peak Area (A-s): 0.134 Peak Height (A): 0.331
 Background Pk Area (A-s): 0.185 Background Pk Height (A): 0.149
 Blank Corrected Pk Area (A-s): 0.130
 Concentration (ug/L): 21.04 Corrected Conc (ug/L): 23.38

Mean Conc (ug/L): 21.11 SD: 0.103 RSD(%): 0.49
 Corrected Conc (ug/L): 23.46

Pb ID: MYH794 Seq. No.: 00045 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 13:08
 Peak Area (A-s): 0.009 Peak Height (A): 0.021
 Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 0.73 Corrected Conc (ug/L): 0.81

Replicate 2
 Peak Area (A-s): 0.008
 Background Pk Area (A-s): 0.032
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.59 Time: 13:10
 Peak Height (A): 0.022
 Background Pk Height (A): 0.015
 Corrected Conc (ug/L): 0.66
 Mean Conc (ug/L): 0.66 SD: 0.098 RSD(%): 14.74
 Corrected Conc (ug/L): 0.74

Pb ID: MYH794A Seq. No.: 00046 A/S Pos.: 9 Date: 05/15/92
 Replicate 1 Time: 13:12
 Peak Area (A-s): 0.126 Peak Height (A): 0.323
 Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.050
 Blank Corrected Pk Area (A-s): 0.122
 Concentration (ug/L): 19.66 Corrected Conc (ug/L): 21.84

DATACHEM LABORATORIES -- GFAA ANALYSIS

Replicate 2 Time: 13:14
 Peak Area (A-s): 0.112 Peak Height (A): 0.289
 Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.108
 Concentration (ug/L): 17.36 Corrected Conc (ug/L): 19.29
 Mean Conc (ug/L): 18.51 SD: 1.623 RSD(%): 8.77
 Corrected Conc (ug/L): 20.56

Pb ID: MYH795 Seq. No.: 00047 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 13:17
 Peak Area (A-s): 0.006 Peak Height (A): 0.020
 Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.018
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.32 Corrected Conc (ug/L): 0.35

Replicate 2 Time: 13:19
 Peak Area (A-s): 0.008 Peak Height (A): 0.019
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.018
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.54 Corrected Conc (ug/L): 0.61

Mean Conc (ug/L): 0.43 SD: 0.162 RSD(%): 37.68
 Corrected Conc (ug/L): 0.48

Pb ID: MYH795A Seq. No.: 00048 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 13:21
 Peak Area (A-s): 0.133 Peak Height (A): 0.317
 Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.051
 Blank Corrected Pk Area (A-s): 0.129
 Concentration (ug/L): 20.96 Corrected Conc (ug/L): 23.29

Replicate 2 Time: 13:23
 Peak Area (A-s): 0.108 Peak Height (A): 0.289
 Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.041
 Blank Corrected Pk Area (A-s): 0.104
 Concentration (ug/L): 16.57 Corrected Conc (ug/L): 18.42

Mean Conc (ug/L): 18.75 SD: 3.104 RSD(%): 16.54
Corrected Conc (ug/L): 20.83

16

Pb ID: CCV₅ Seq. No.: 00049 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 13:25
Peak Area (A-s): 0.281 Peak Height (A): 0.611
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.277
Concentration (ug/L): 49.49 Corrected Conc (ug/L): 54.98

Replicate 2 Time: 13:27
Peak Area (A-s): 0.282 Peak Height (A): 0.602
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.278
Concentration (ug/L): 49.85 Corrected Conc (ug/L): 55.38

Mean Conc (ug/L): 49.67 SD: 0.254 RSD(%): 0.51
Corrected Conc (ug/L): 55.18

DATACHEM LABORATORIES -- GFAA ANALYSIS

Pb ID: CCB₅ Seq. No.: 00050 A/S Pos.: 13 Date: 05/15/92

Replicate 1 Time: 13:29
Peak Area (A-s): 0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.34

Replicate 2 Time: 13:31
Peak Area (A-s): 0.002 Peak Height (A): 0.011
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.24

Mean Conc (ug/L): 0.05 SD: 0.405 RSD(%): 810.53

Pb ID: PBW(MERA01) Seq. No.: 00051 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 13:34
Peak Area (A-s): 0.009 Peak Height (A): 0.016
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.71 Corrected Conc (ug/L): 0.79

Replicate 2 Time: 13:36
Peak Area (A-s): 0.005 Peak Height (A): 0.015
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.20 Corrected Conc (ug/L): 0.22

Mean Conc (ug/L): 0.45 SD: 0.363 RSD(%): 79.74
Corrected Conc (ug/L): 0.51

Pb ID: PBWA Seq. No.: 00052 A/S Pos.: 7 Date: 05/15/92

Data not used. wrong

Spike. Rerun

AA2
05/15/92

252

Replicate 1
Peak Area (A-s): 0.106
Background Pk Area (A-s): 0.039
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 16.25

Time: 13:38
Peak Height (A): 0.262
Background Pk Height (A): 0.038
Corrected Conc (ug/L): 18.06

Replicate 2
Peak Area (A-s): 0.104
Background Pk Area (A-s): 0.041
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 15.99

Time: 13:40
Peak Height (A): 0.239
Background Pk Height (A): 0.037
Corrected Conc (ug/L): 17.77

Mean Conc (ug/L): 16.12 SD: 0.185 RSD(%): 1.15
Corrected Conc (ug/L): 17.91

Pb ID: LCSW Seq. No.: 00053 A/S Pos.: 8 Date: 05/15/92

142
Data not used. Wrong
Spike. Rerun

AA2
05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 1
Peak Area (A-s): 0.225
Background Pk Area (A-s): 0.057
Blank Corrected Pk Area (A-s): 0.221
Concentration (ug/L): 38.10

Time: 13:42
Peak Height (A): 0.523
Background Pk Height (A): 0.080
Corrected Conc (ug/L): 42.33

Replicate 2
Peak Area (A-s): 0.225
Background Pk Area (A-s): 0.059
Blank Corrected Pk Area (A-s): 0.221
Concentration (ug/L): 38.03

Time: 13:44
Peak Height (A): 0.540
Background Pk Height (A): 0.087
Corrected Conc (ug/L): 42.26

Mean Conc (ug/L): 38.07 SD: 0.045 RSD(%): 0.12
Corrected Conc (ug/L): 42.29

Pb ID: LCSWA Seq. No.: 00054 A/S Pos.: 9 Date: 05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 1
Peak Area (A-s): 0.356
Background Pk Area (A-s): 0.092
Blank Corrected Pk Area (A-s): 0.352
Concentration (ug/L): 66.52

Time: 13:47
Peak Height (A): 0.788
Background Pk Height (A): 0.134
Corrected Conc (ug/L): 73.92

Replicate 2
Peak Area (A-s): 0.357
Background Pk Area (A-s): 0.094
Blank Corrected Pk Area (A-s): 0.353
Concentration (ug/L): 66.70

Time: 13:49
Peak Height (A): 0.812
Background Pk Height (A): 0.140
Corrected Conc (ug/L): 74.11

Mean Conc (ug/L): 66.61 SD: 0.126 RSD(%): 0.19
Corrected Conc (ug/L): 74.01

Pb ID: HERA26 Seq. No.: 00055 A/S Pos.: 10 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.007
Background Pk Area (A-s): 0.096
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.52

Time: 13:51
Peak Height (A): 0.019
Background Pk Height (A): 0.055
Corrected Conc (ug/L): 0.58

Data not used 253
High RSD for spike.

AA2
05/15/92

Replicate 2
 Peak Area (A-s): 0.006
 Background Pk Area (A-s): 0.098
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.32
 Time: 13:53
 Peak Height (A): 0.015
 Background Pk Height (A): 0.050
 Corrected Conc (ug/L): 0.35
 Mean Conc (ug/L): 0.42 SD: 0.145 RSD(%): 34.67
 Corrected Conc (ug/L): 0.46

Pb ID: MERA26A Seq. No.: 00056 A/S Pos.: 11 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.069
 Background Pk Area (A-s): 0.106
 Blank Corrected Pk Area (A-s): 0.065
 Concentration (ug/L): 10.19
 Time: 13:55
 Peak Height (A): 0.160
 Background Pk Height (A): 0.052
 Corrected Conc (ug/L): 11.33

Data not used. high
RSD for spike.

AA2
05/15/92

Replicate 2
 Peak Area (A-s): 0.093
 Background Pk Area (A-s): 0.164
 Blank Corrected Pk Area (A-s): 0.090
 Concentration (ug/L): 14.16
 Time: 13:57
 Peak Height (A): 0.215
 Background Pk Height (A): 0.075
 Corrected Conc (ug/L): 15.74
 Mean Conc (ug/L): 12.16 SD: 2.807 RSD(%): 23.04
 Corrected Conc (ug/L): 13.52

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: MERD260 Seq. No.: 00057 A/S Pos.: 12 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.001
 Background Pk Area (A-s): 0.155
 Blank Corrected Pk Area (A-s): -0.003
 Concentration (ug/L): -0.49
 Time: 13:59
 Peak Height (A): 0.008
 Background Pk Height (A): 0.051
 Corrected Conc (ug/L): -0.55

Replicate 2
 Peak Area (A-s): 0.004
 Background Pk Area (A-s): 0.155
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.03
 Time: 14:01
 Peak Height (A): 0.010
 Background Pk Height (A): 0.051
 Corrected Conc (ug/L): 0.03

Mean Conc (ug/L): -0.23 SD: 0.365 RSD(%): 156.95
 Corrected Conc (ug/L): -0.26

Pb ID: MERA260A Seq. No.: 00058 A/S Pos.: 13 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.085
 Background Pk Area (A-s): 0.168
 Blank Corrected Pk Area (A-s): 0.081
 Concentration (ug/L): 12.81
 Time: 14:03
 Peak Height (A): 0.202
 Background Pk Height (A): 0.076
 Corrected Conc (ug/L): 14.23

Replicate 2
 Peak Area (A-s): 0.089
 Background Pk Area (A-s): 0.167
 Blank Corrected Pk Area (A-s): 0.086
 Concentration (ug/L): 13.50
 Time: 14:05
 Peak Height (A): 0.197
 Background Pk Height (A): 0.077
 Corrected Conc (ug/L): 15.00

Mean Conc (ug/L): 13.15 SD: 0.492 RSD(%): 3.74
Corrected Conc (ug/L): 14.61

19

Pb ID: MERA26S Seq. No.: 00059 A/S Pos.: 14 Date: 05/15/92

Replicate 1 Time: 14:08
Peak Area (A-s): 0.089 Peak Height (A): 0.200
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 13.38 Corrected Conc (ug/L): 14.87

Replicate 2 Time: 14:10
Peak Area (A-s): 0.093 Peak Height (A): 0.203
Background Pk Area (A-s): 0.168 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 14.05 Corrected Conc (ug/L): 15.61

DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 13.71 SD: 0.472 RSD(%): 3.44
Corrected Conc (ug/L): 15.24

Pb ID: CCV₆ Seq. No.: 00060 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 14:12
Peak Area (A-s): 0.290 Peak Height (A): 0.589
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): 0.286
Concentration (ug/L): 51.42

Replicate 2 Time: 14:14
Peak Area (A-s): 0.285 Peak Height (A): 0.540
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.281
Concentration (ug/L): 50.41

Mean Conc (ug/L): 50.92 SD: 0.718 RSD(%): 1.41

Pb ID: CCB₆ Seq. No.: 00061 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 14:16
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.16

Replicate 2 Time: 14:18
Peak Area (A-s): 0.003 Peak Height (A): 0.009
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.15

Mean Conc (ug/L): 0.00 SD: 0.218 RSD(%): 9276.99

255

Pb ID: PBW(MERA01) Seq. No.: 00062 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 14:20

20

Peak Area (A-s): 0.006 Peak Height (A): 0.018
 Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.023
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.38 Corrected Conc (ug/L): 0.42

Replicate 2 Time: 14:22
 Peak Area (A-s): 0.006 Peak Height (A): 0.017
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.023
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.37 Corrected Conc (ug/L): 0.41

Mean Conc (ug/L): 0.37 SD: 0.007 RSD(%): 1.81
 Corrected Conc (ug/L): 0.42

Pb ID: PBWA Seq. No.: 00063 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 14:24

Peak Area (A-s): 0.127 Peak Height (A): 0.254
 Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.039
 Blank Corrected Pk Area (A-s): 0.123
 Concentration (ug/L): 19.82 Corrected Conc (ug/L): 22.03

Replicate 2 Time: 14:27
 Peak Area (A-s): 0.120 Peak Height (A): 0.256
 Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.040
 Blank Corrected Pk Area (A-s): 0.116
 Concentration (ug/L): 18.69 Corrected Conc (ug/L): 20.76

Mean Conc (ug/L): 19.25 SD: 0.805 RSD(%): 4.18
 Corrected Conc (ug/L): 21.39

Pb ID: MERA26 Seq. No.: 00064 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 14:29
 Peak Area (A-s): 0.009 Peak Height (A): 0.023
 Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.052
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 0.71 Corrected Conc (ug/L): 0.79

Replicate 2 Time: 14:31
 Peak Area (A-s): 0.006 Peak Height (A): 0.018
 Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.053
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.39 Corrected Conc (ug/L): 0.44

Mean Conc (ug/L): 0.55 SD: 0.227 RSD(%): 41.03
 Corrected Conc (ug/L): 0.62

Pb ID: MERA26A Seq. No.: 00065 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 14:33
 Peak Area (A-s): 0.093 Peak Height (A): 0.210
 Background Pk Area (A-s): 0.160 Background Pk Height (A): 0.075
 Blank Corrected Pk Area (A-s): 0.089
 Concentration (ug/L): 14.15 Corrected Conc (ug/L): 15.72

DATACHEM LABORATORIES — GFAA ANALYSIS

Data not used.

high RSD for spike.

KAL 05/15/92

256

Replicate 1
 Peak Area (A-s): 0.072
 Background Pk Area (A-s): 0.091
 Blank Corrected Pk Area (A-s): 0.068
 Concentration (ug/L): 10.58
 Mean Conc (ug/L): 12.35
 Corrected Conc (ug/L): 13.73

Time: 14:35
 Peak Height (A): 0.156
 Background Pk Height (A): 0.052
 Corrected Conc (ug/L): 11.76
 SD: 2.523 RSD(%): 20.40

Data not used
 high RSD for
 spike.
 AA2
 05/15/92

Pb ID: MERA26 Seq. No.: 00067 A/S Pos.: 10 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.006
 Background Pk Area (A-s): 0.084
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.33

Time: 14:38
 Peak Height (A): 0.017
 Background Pk Height (A): 0.054
 Corrected Conc (ug/L): 0.37

DATACHEM LABORATORIES -- GFAA ANALYSIS

Replicate 2
 Peak Area (A-s): 0.008
 Background Pk Area (A-s): 0.088
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.58

Time: 14:40
 Peak Height (A): 0.016
 Background Pk Height (A): 0.052
 Corrected Conc (ug/L): 0.65

Mean Conc (ug/L): 0.46 SD: 0.179 RSD(%): 39.21
 Corrected Conc (ug/L): 0.51

Pb ID: MERA26A Seq. No.: 00068 A/S Pos.: 11 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.065
 Background Pk Area (A-s): 0.087
 Blank Corrected Pk Area (A-s): 0.061
 Concentration (ug/L): 9.42

Time: 14:42
 Peak Height (A): 0.153
 Background Pk Height (A): 0.054
 Corrected Conc (ug/L): 10.47

Replicate 2
 Peak Area (A-s): 0.068
 Background Pk Area (A-s): 0.090
 Blank Corrected Pk Area (A-s): 0.064
 Concentration (ug/L): 9.93

Time: 14:44
 Peak Height (A): 0.164
 Background Pk Height (A): 0.056
 Corrected Conc (ug/L): 11.04

Mean Conc (ug/L): 9.68 SD: 0.362 RSD(%): 3.74
 Corrected Conc (ug/L): 10.75

Pb ID: MERA27 Seq. No.: 00069 A/S Pos.: 17 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.003
 Background Pk Area (A-s): 0.068
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.12

Time: 14:47
 Peak Height (A): 0.009
 Background Pk Height (A): 0.053
 Corrected Conc (ug/L): -0.13

Replicate 2
 Peak Area (A-s): 0.001
 Background Pk Area (A-s): 0.072
 Blank Corrected Pk Area (A-s): -0.003
 Concentration (ug/L): -0.50

Time: 14:48
 Peak Height (A): 0.007
 Background Pk Height (A): 0.054
 Corrected Conc (ug/L): -0.56

21

257

Mean Conc (ug/L): -0.31 SD: 0.273 RSD(%): 87.98
Corrected Conc (ug/L): -0.34

22

Pb ID: MERA27A Seq. No.: 00070 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 14:50
Peak Area (A-s): 0.056 Peak Height (A): 0.116
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 7.99 Corrected Conc (ug/L): 8.88

Replicate 2 Time: 14:52
Peak Area (A-s): 0.052 Peak Height (A): 0.112
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 7.49 Corrected Conc (ug/L): 8.32

Mean Conc (ug/L): 7.74 SD: 0.353 RSD(%): 4.56
Corrected Conc (ug/L): 8.60

Pb ID: MERA28 Seq. No.: 00071 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 14:54
Peak Area (A-s): 0.015 Peak Height (A): 0.038
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 1.75 Corrected Conc (ug/L): 1.94

Replicate 2 Time: 14:56
Peak Area (A-s): 0.027 Peak Height (A): 0.060
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 3.48 Corrected Conc (ug/L): 3.87

Mean Conc (ug/L): 2.61 SD: 1.227 RSD(%): 46.97
Corrected Conc (ug/L): 2.90

Pb ID: MERA28A Seq. No.: 00072 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 14:58
Peak Area (A-s): 0.142 Peak Height (A): 0.347
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 22.48 Corrected Conc (ug/L): 24.98

Replicate 2 Time: 15:00
Peak Area (A-s): 0.093 Peak Height (A): 0.237
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 14.07 Corrected Conc (ug/L): 15.63

Mean Conc (ug/L): 18.21 SD: 5.950 RSD(%): 32.56
Corrected Conc (ug/L): 20.24

DATACHEM LABORATORIES — GFAA ANALYSIS

Data not used - high RSD
for Spike

AA2
05/15/92

258

Pb ID: CCV Seq. No.: 00073 A/S Pos.: 21 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.289
Background Pk Area (A-s): 0.082
Blank Corrected Pk Area (A-s): 0.285
Concentration (ug/L): 51.32

Time: 15:02
Peak Height (A): 0.589
Background Pk Height (A): 0.094

23

Replicate 2
Peak Area (A-s): 0.286
Background Pk Area (A-s): 0.076
Blank Corrected Pk Area (A-s): 0.282
Concentration (ug/L): 50.59

Time: 15:04
Peak Height (A): 0.581
Background Pk Height (A): 0.093

Mean Conc (ug/L): 50.95 SD: 0.515 RSD(%): 1.01

Pb ID: CCB-1 Seq. No.: 00074 A/S Pos.: 22 Date: 05/15/92

DATACHEM LABORATORIES – GFAA ANALYSIS

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.035
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.34

Time: 15:06
Peak Height (A): 0.011
Background Pk Height (A): 0.017

Replicate 2
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.039
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.35

Time: 15:08
Peak Height (A): 0.009
Background Pk Height (A): 0.018

Mean Conc (ug/L): -0.34 SD: 0.010 RSD(%): 2.77

Pb ID: MERA28 Seq. No.: 00075 A/S Pos.: 19 Date: 05/15/92

Replicate 1
Peak Area (A-s): 0.026
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 3.43

Time: 15:10
Peak Height (A): 0.072
Background Pk Height (A): 0.019

Replicate 2
Peak Area (A-s): 0.024
Background Pk Area (A-s): 0.046
Blank Corrected Pk Area (A-s): 0.020
Concentration ($\mu\text{g/L}$): 3.01

Time: 15:12
Peak Height (A): 0.063
Background Pk Height (A): 0.019

Mean Conc (ug/L): 3.22 SD: 0.297 RSD(%): 9.23
Corrected Conc (ug/L): 3.58

Pb ID: XERA28A Seq. No.: 00076 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 15:14
Peak Area (A-s): 0.142 Peak Height (A): 0.356
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 22.56 Corrected Conc (ug/L): 25.06

259

Replicate 2 Time: 15:16
 Peak Area (A-s): 0.140 Peak Height (A): 0.352
 Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.056
 Blank Corrected Pk Area (A-s): 0.136
 Concentration (ug/L): 22.11 Corrected Conc (ug/L): 24.57

Mean Conc (ug/L): 22.33 SD: 0.315 RSD(%): 1.41
 Corrected Conc (ug/L): 24.81

Pb ID: CCV 8 Seq. No.: 00077 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 15:18
 Peak Area (A-s): 0.281 Peak Height (A): 0.570
 Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.090
 Blank Corrected Pk Area (A-s): 0.277
 Concentration (ug/L): 49.65

Replicate 2 Time: 15:20
 Peak Area (A-s): 0.282 Peak Height (A): 0.605
 Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.097
 Blank Corrected Pk Area (A-s): 0.278
 Concentration (ug/L): 49.80

Mean Conc (ug/L): 49.73 SD: 0.104 RSD(%): 0.21

Pb ID: CCB 8 Seq. No.: 00078 A/S Pos.: 22 Date: 05/15/92

Replicate 1 Time: 15:22
 Peak Area (A-s): 0.003 Peak Height (A): 0.014
 Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.017
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.10

Replicate 2 Time: 15:24
 Peak Area (A-s): 0.001 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.018
 Blank Corrected Pk Area (A-s): -0.003
 Concentration (ug/L): -0.38

Mean Conc (ug/L): -0.24 SD: 0.200 RSD(%): 82.53

DATACHEM LABORATORIES — GFAA ANALYSIS

Element File: AA2PB.GEL Element: Pb Wavelength: 283.3
Date: 05/18/92 Time: 09:39 Slit: 0.70 L
Data File: MERA01P2.DAT ID/Wt File: MERA01P2.IOW Lamp Current: 0
Technique: HGA Calib. Type: Nonlinear Energy: 67

Pb ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/18/92

Replicate 1 Time: 09:39
Peak Area (A-s): 0.005 Peak Height (A): 0.011
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.005

Replicate 2 Time: 09:41
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.002

Mean Pk Area (A-s): 0.004 SD: 0.0020 RSD(%): 52.91

Auto-zero performed.

Pb ID: S3 Seq. No.: 00002 A/S Pos.: 2 Date: 05/18/92

Replicate 1 Time: 09:43
Peak Area (A-s): 0.020 Peak Height (A): 0.034
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.010

Replicate 2 Time: 09:45
Peak Area (A-s): 0.019 Peak Height (A): 0.037
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.015

Mean Pk Area (A-s): 0.015 SD: 0.0004 RSD(%): 2.61

Standard number 1 applied. [3.00]
Correlation coefficient: 1.00000 Slope: 0.0052

Pb ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/18/92

Replicate 1 Time: 09:47
Peak Area (A-s): 0.105 Peak Height (A): 0.186
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 19.73

Replicate 2 Time: 09:49
Peak Area (A-s): 0.107 Peak Height (A): 0.182
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 20.10

Mean Conc (ug/L): 19.92 SD: 0.266 RSD(%): 1.33

Standard number 2 applied. [20.00]

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb

Amor & Kraan
AA5-2ED
05/18/92

Sponsor: USEPA

Acct #: 3533

SET ID: SF-1144

Data Chem Sample #: CLP10168-78

SDG #: MERA 01

Case #: 19026

Matrix: H₂O / soil

261

Correlation coefficient: 1.00000 Slope: 0.0052

Pb ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/18/92

Replicate 1 Time: 09:50
Peak Area (A-s): 0.256 Peak Height (A): 0.416
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.252
Concentration (ug/L): 49.51

Replicate 2 Time: 09:52
Peak Area (A-s): 0.255 Peak Height (A): 0.407
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.251
Concentration (ug/L): 49.21

Mean Conc (ug/L): 49.36 SD: 0.213 RSD(%): 0.43

Standard number 3 applied. [50.00]
Correlation coefficient: 1.00000 Slope: 0.0052

Pb ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/18/92

Sample abs. exceeds the range of the calibration function.
Replicate 1 Time: 09:54
Peak Area (A-s): 0.471 Peak Height (A): 0.696
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.116
Blank Corrected Pk Area (A-s): 0.467
Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.
Replicate 2 Time: 09:56
Peak Area (A-s): 0.473 Peak Height (A): 0.692
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.116
Blank Corrected Pk Area (A-s): 0.469
Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.
Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Standard number 4 applied. [100.00]
Correlation coefficient: 1.00000 Slope: 0.0052

Pb ID: ICV₂ Seq. No.: 00006 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 09:59
Peak Area (A-s): 0.262 Peak Height (A): 0.405
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.258
Concentration (ug/L): 51.29

Replicate 2 Time: 10:01
Peak Area (A-s): 0.264 Peak Height (A): 0.398
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 51.67

2
DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 51.48 SD: 0.265 RSD(%): 0.52

Pb ID: ICB₂ Seq. No.: 00007 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 10:03
Peak Area (A-s): 0.007 Peak Height (A): 0.014
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.68

Replicate 2 Time: 10:05
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.12

Mean Conc (ug/L): 0.28 SD: 0.560 RSD(%): 200.79

Pb ID: CCV_q Seq. No.: 00008 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 10:07
Peak Area (A-s): 0.262 Peak Height (A): 0.385
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.258
Concentration (ug/L): 51.22

Replicate 2 Time: 10:09
Peak Area (A-s): 0.260 Peak Height (A): 0.384
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.256
Concentration (ug/L): 50.81

Mean Conc (ug/L): 51.01 SD: 0.286 RSD(%): 0.56

Pb ID: CCB_q Seq. No.: 00009 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 10:11
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.02

Replicate 2 Time: 10:13
Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.11

Mean Conc (ug/L): -0.05 SD: 0.093 RSD(%): 192.34

Pb ID: CRA₂ Seq. No.: 00010 A/S Pos.: 10 Date: 05/18/92

Replicate 1 Time: 10:15
Peak Area (A-s): 0.023 Peak Height (A): 0.037
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.009

Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L) : 3.81

Replicate 2 Time: 10:17
Peak Area (A-s): 0.024 Peak Height (A): 0.034
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L) : 3.92

Mean Conc (ug/L): 3.86 SD: 0.078 RSD(%): 2.01

DATACHEM LABORATORIES – GFAA ANALYSIS

Pb ID: PBS(MERA01) Seq. No.: 00011 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 10:20
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L) : 0.41

Replicate 2 Time: 10:22
Peak Area (A-s): 0.005 Peak Height (A): 0.011
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L) : 0.23

Mean Conc (ug/L): 0.32 SD: 0.129 RSD(%): 39.86
Corrected Conc (ug/L): 0.32

Pb ID: PBSA Seq. No.: 00012 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 10:24
Peak Area (A-s): 0.112 Peak Height (A): 0.197
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L) : 21.07

Replicate 2 Time: 10:26
Peak Area (A-s): 0.112 Peak Height (A): 0.200
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L) : 21.11

Mean Conc (ug/L): 21.09 SD: 0.026 RSD(%): 0.12
Corrected Conc (ug/L): 21.09

Pb ID: LCSS-50X Seq. No.: 00013 A/S Pos.: 13 Date: 05/18/92

Replicate 1 Time: 10:28
Peak Area (A-s): 0.137 Peak Height (A): 0.221
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L) : 25.99

Replicate 2 Time: 10:30
Peak Area (A-s): 0.137 Peak Height (A): 0.224
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.033

5
Blank Corrected PK Area (A-s): 0.133

Concentration (ug/L): 25.97 Corrected Conc (ug/L): 1299.

Mean Conc (ug/L): 25.98 SD: 0.010 RSD(%): 0.04
Corrected Conc (ug/L): 1299.

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: LCSSA-50X Seq. No.: 00014 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 10:32
Peak Area (A-s): 0.237 Peak Height (A): 0.383
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 46.15 Corrected Conc (ug/L): 2308.

Replicate 2 Time: 10:34
Peak Area (A-s): 0.237 Peak Height (A): 0.386
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 46.21 Corrected Conc (ug/L): 2311.

Mean Conc (ug/L): 46.18 SD: 0.044 RSD(%): 0.10
Corrected Conc (ug/L): 2309.

Pb ID: MERA01 Seq. No.: 00015 A/S Pos.: 15 Date: 05/18/92

The height of this peak exceeds the rollover value.
Sample abs. exceeds the range of the calibration function.

Replicate 1 Time: 10:36
Peak Area (A-s): 1.769 Peak Height (A): 1.526
Background Pk Area (A-s): 2.007 Background Pk Height (A): 2.389
Blank Corrected Pk Area (A-s): 1.766
Concentration (ug/L): -----

The height of this peak exceeds the rollover value.
Sample abs. exceeds the range of the calibration function.
Replicate 2 Time: 10:38
Peak Area (A-s): 1.744 Peak Height (A): 1.527
Background Pk Area (A-s): 2.020 Background Pk Height (A): 2.367
Blank Corrected Pk Area (A-s): 1.740
Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.
Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Pb ID: MERA02 Seq. No.: 00016 A/S Pos.: 17 Date: 05/18/92

Sample abs. exceeds the range of the calibration function.
Replicate 1 Time: 10:41
Peak Area (A-s): 0.814 Peak Height (A): 1.343
Background Pk Area (A-s): 0.223 Background Pk Height (A): 0.370
Blank Corrected Pk Area (A-s): 0.810
Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.
Replicate 2 Time: 10:43
Peak Area (A-s): 0.801 Peak Height (A): 1.337

*Data not used.
off scale.
and Rerun.
Dilute
AA2
05/18/92*

Background Pk Area (A-s): 0.227 Background Pk Height (A): 0.384
Blank Corrected Pk Area (A-s): 0.797
Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.
Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Pb ID: MERA02A Seq. No.: 00017 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 10:45
Peak Area (A-s): 0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.12 Corrected Conc (ug/L): 0.12

Replicate 2 Time: 10:47
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.21 Corrected Conc (ug/L): 0.21

Mean Conc (ug/L): 0.17 SD: 0.067 RSD(%): 40.49
Corrected Conc (ug/L): 0.17

Pb ID: CCV *10* Seq. No.: 00018 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 10:49
Peak Area (A-s): 0.269 Peak Height (A): 0.413
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.265
Concentration (ug/L): 52.69

Replicate 2 Time: 10:51
Peak Area (A-s): 0.260 Peak Height (A): 0.404
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.256
Concentration (ug/L): 50.86

Mean Conc (ug/L): 51.78 SD: 1.291 RSD(%): 2.49

Pb ID: CCB *10* Seq. No.: 00019 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 10:53
Peak Area (A-s): 0.005 Peak Height (A): 0.011
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.30

Replicate 2 Time: 10:55
Peak Area (A-s): 0.006 Peak Height (A): 0.010
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.34

Mean Conc (ug/L): 0.32 SD: 0.033 RSD(%): 10.13

6

Data not used
off scale - dilute &
Rerun AA2 05/18/92

DATACHEM LABORATORIES - GFAA ANALYSIS

→ empty spot. AA2
05/18/92

Pb ID: MERA02D Seq. No.: 00020 A/S Pos.: 21 Date: 05/18/92

Sample abs. is greater than that of the largest standard.

Replicate 1 Time: 10:58

Peak Area (A-s): 0.635 Peak Height (A): 1.112

Background Pk Area (A-s): 0.155 Background Pk Height (A): 0.242

Blank Corrected Pk Area (A-s): 0.631

Concentration (ug/L): 292.79 Corrected Conc (ug/L): 292.79

7

DATACHEM LABORATORIES - GFAA ANALYSIS

Sample abs. is greater than that of the largest standard.

Replicate 2 Time: 11:00

Peak Area (A-s): 0.632 Peak Height (A): 1.143

Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.248

Blank Corrected Pk Area (A-s): 0.628

Concentration (ug/L): 268.22 Corrected Conc (ug/L): 268.22

Sample abs. is greater than that of the largest standard.

Mean Conc (ug/L): 279.65 SD: 17.371 RSD(%): 6.19

Corrected Conc (ug/L): 279.65

Pb ID: MERA02S Seq. No.: 00021 A/S Pos.: 23 Date: 05/18/92

Sample abs. exceeds the range of the calibration function.

Replicate 1 Time: 11:03

Peak Area (A-s): 0.795 Peak Height (A): 1.395

Background Pk Area (A-s): 0.230 Background Pk Height (A): 0.431

Blank Corrected Pk Area (A-s): 0.791

Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Replicate 2 Time: 11:05

Peak Area (A-s): 0.785 Peak Height (A): 1.393

Background Pk Area (A-s): 0.230 Background Pk Height (A): 0.417

Blank Corrected Pk Area (A-s): 0.781

Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Pb ID: MERA03 Seq. No.: 00022 A/S Pos.: 24 Date: 05/18/92

Sample abs. exceeds the range of the calibration function.

Replicate 1 Time: 11:07

Peak Area (A-s): 1.160 Peak Height (A): 1.484

Background Pk Area (A-s): 0.324 Background Pk Height (A): 0.508

Blank Corrected Pk Area (A-s): 1.157

Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Replicate 2 Time: 11:09

Peak Area (A-s): 1.135 Peak Height (A): 1.492

Background Pk Area (A-s): 0.324 Background Pk Height (A): 0.546

Blank Corrected Pk Area (A-s): 1.131

Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Data not used.
off scale. dilute and
Review. AA2
05/18/92

Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Pb ID: MERA04 Seq. No.: 00023 A/S Pos.: 26 Date: 05/18/92

Replicate 1 Time: 11:12
Peak Area (A-s): 0.202 Peak Height (A): 0.442
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.198
Concentration (ug/L): 39.09 Corrected Conc (ug/L): 39.09

Replicate 2 Time: 11:14
Peak Area (A-s): 0.208 Peak Height (A): 0.455
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.204
Concentration (ug/L): 40.23 Corrected Conc (ug/L): 40.23

Mean Conc (ug/L): 39.66 SD: 0.801 RSD(%): 2.02
Corrected Conc (ug/L): 39.66

Pb ID: MERA04A Seq. No.: 00024 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 11:16
Peak Area (A-s): 0.291 Peak Height (A): 0.633
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.287
Concentration (ug/L): 57.42 Corrected Conc (ug/L): 57.42

Replicate 2 Time: 11:18
Peak Area (A-s): 0.290 Peak Height (A): 0.635
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.286
Concentration (ug/L): 57.07 Corrected Conc (ug/L): 57.07

Mean Conc (ug/L): 57.24 SD: 0.246 RSD(%): 0.43
Corrected Conc (ug/L): 57.24

Pb ID: MERA05 Seq. No.: 00025 A/S Pos.: 28 Date: 05/18/92

Replicate 1 Time: 11:20
Peak Area (A-s): 0.047 Peak Height (A): 0.070
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 8.46 Corrected Conc (ug/L): 8.46

Replicate 2 Time: 11:23
Peak Area (A-s): 0.048 Peak Height (A): 0.072
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 8.68 Corrected Conc (ug/L): 8.68

Mean Conc (ug/L): 8.57 SD: 0.161 RSD(%): 1.88
Corrected Conc (ug/L): 8.57

Pb ID: MERA05A Seq. No.: 00026 A/S Pos.: 29 Date: 05/18/92

Data not used. off scale.
dilute and rerun.

AA 2
05/18/92

8

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 1
 Peak Area (A-s): 0.153
 Background Pk Area (A-s): 0.090
 Blank Corrected Pk Area (A-s): 0.149
 Concentration (ug/L): 29.21

Time: 11:25
 Peak Height (A): 0.222
 Background Pk Height (A): 0.046
 Corrected Conc (ug/L): 29.21

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2
 Peak Area (A-s): 0.156
 Background Pk Area (A-s): 0.079
 Blank Corrected Pk Area (A-s): 0.152
 Concentration (ug/L): 29.80

Time: 11:27
 Peak Height (A): 0.225
 Background Pk Height (A): 0.038
 Corrected Conc (ug/L): 29.80

Mean Conc (ug/L): 29.50 SD: 0.413 RSD(%): 1.40
 Corrected Conc (ug/L): 29.50

Pb ID: CCV AA2 05/18/92 Seq. No.: 00027 A/S Pos.: 30 Date: 05/18/92
 CCB

Replicate 1
 Peak Area (A-s): 0.006
 Background Pk Area (A-s): 0.012
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.48

Time: 11:29
 Peak Height (A): 0.008
 Background Pk Height (A): 0.013

Replicate 2
 Peak Area (A-s): 0.003
 Background Pk Area (A-s): 0.011
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.06

Time: 11:31
 Peak Height (A): 0.009
 Background Pk Height (A): 0.008

Mean Conc (ug/L): 0.21 SD: 0.376 RSD(%): 178.29

Pb ID: CCV 11 Seq. No.: 00028 A/S Pos.: 30 Date: 05/18/92

Replicate 1
 Peak Area (A-s): 0.264
 Background Pk Area (A-s): 0.048
 Blank Corrected Pk Area (A-s): 0.261
 Concentration (ug/L): 51.81

Time: 11:33
 Peak Height (A): 0.448
 Background Pk Height (A): 0.069

Replicate 2
 Peak Area (A-s): 0.258
 Background Pk Area (A-s): 0.039
 Blank Corrected Pk Area (A-s): 0.255
 Concentration (ug/L): 50.58

Time: 11:35
 Peak Height (A): 0.443
 Background Pk Height (A): 0.066

Mean Conc (ug/L): 51.19 SD: 0.870 RSD(%): 1.70

Pb ID: CCB 11 Seq. No.: 00029 A/S Pos.: 31 Date: 05/18/92

Replicate 1
 Peak Area (A-s): 0.008
 Background Pk Area (A-s): 0.010
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.76

Time: 11:37
 Peak Height (A): 0.012
 Background Pk Height (A): 0.008

Replicate 2 Time: 11:39

Data not used.
 CCB before CCV.

AA2
 05/18/92

269

Peak Area (A-s): 0.006 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.011
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.51

Mean Conc (ug/L): 0.63 SD: 0.174 RSD(%): 27.54

Pb ID: MERA06 Seq. No.: 00030 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 11:43
 Peak Area (A-s): 0.120 Peak Height (A): 0.213
 Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.033
 Blank Corrected Pk Area (A-s): 0.116
 Concentration (ug/L): 22.61 Corrected Conc (ug/L): 22.61

Replicate 2 Time: 11:45
 Peak Area (A-s): 0.119 Peak Height (A): 0.202
 Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.033
 Blank Corrected Pk Area (A-s): 0.115
 Concentration (ug/L): 22.44 Corrected Conc (ug/L): 22.44

Mean Conc (ug/L): 22.52 SD: 0.123 RSD(%): 0.54
 Corrected Conc (ug/L): 22.52

Pb ID: MERA06A Seq. No.: 00031 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 11:47
 Peak Area (A-s): 0.228 Peak Height (A): 0.387
 Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.058
 Blank Corrected Pk Area (A-s): 0.224
 Concentration (ug/L): 44.28 Corrected Conc (ug/L): 44.28

Replicate 2 Time: 11:49
 Peak Area (A-s): 0.227 Peak Height (A): 0.386
 Background Pk Area (A-s): 0.102 Background Pk Height (A): 0.059
 Blank Corrected Pk Area (A-s): 0.223
 Concentration (ug/L): 44.12 Corrected Conc (ug/L): 44.12

Mean Conc (ug/L): 44.20 SD: 0.117 RSD(%): 0.26
 Corrected Conc (ug/L): 44.20

Pb ID: MERA07 Seq. No.: 00032 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 11:51
 Peak Area (A-s): 0.158 Peak Height (A): 0.319
 Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.046
 Blank Corrected Pk Area (A-s): 0.154
 Concentration (ug/L): 30.22 Corrected Conc (ug/L): 30.22

Replicate 2 Time: 11:53
 Peak Area (A-s): 0.160 Peak Height (A): 0.318
 Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.047
 Blank Corrected Pk Area (A-s): 0.156
 Concentration (ug/L): 30.64 Corrected Conc (ug/L): 30.64

Mean Conc (ug/L): 30.43 SD: 0.292 RSD(%): 0.96

DATACHEM LABORATORIES — GFAA ANALYSIS

Corrected Conc (ug/L): 30.43

11

Pb ID: MERA07A Seq. No.: 00033 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 11:55
Peak Area (A-s): 0.258 Peak Height (A): 0.512
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.254
Concentration (ug/L): 50.45 Corrected Conc (ug/L): 50.45

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 11:57
Peak Area (A-s): 0.259 Peak Height (A): 0.510
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.255
Concentration (ug/L): 50.71 Corrected Conc (ug/L): 50.71

Mean Conc (ug/L): 50.58 SD: 0.180 RSD(%): 0.35
Corrected Conc (ug/L): 50.58

Pb ID: MERA08 Seq. No.: 00034 A/S Pos.: 10 Date: 05/18/92

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 11:59
Peak Area (A-s): 0.541 Peak Height (A): 1.076
Background Pk Area (A-s): 0.156 Background Pk Height (A): 0.226
Blank Corrected Pk Area (A-s): 0.537
Concentration (ug/L): 124.02 Corrected Conc (ug/L): 124.02

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 12:01
Peak Area (A-s): 0.552 Peak Height (A): 1.083
Background Pk Area (A-s): 0.148 Background Pk Height (A): 0.232
Blank Corrected Pk Area (A-s): 0.548
Concentration (ug/L): 129.22 Corrected Conc (ug/L): 129.22

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 126.54 SD: 3.677 RSD(%): 2.90
Corrected Conc (ug/L): 126.54

Pb ID: MERA09 Seq. No.: 00036 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 12:04
Peak Area (A-s): 0.454 Peak Height (A): 0.920
Background Pk Area (A-s): 0.121 Background Pk Height (A): 0.178
Blank Corrected Pk Area (A-s): 0.450
Concentration (ug/L): 95.02 Corrected Conc (ug/L): 95.02

Replicate 2 Time: 12:06
Peak Area (A-s): 0.455 Peak Height (A): 0.935
Background Pk Area (A-s): 0.125 Background Pk Height (A): 0.178
Blank Corrected Pk Area (A-s): 0.451
Concentration (ug/L): 95.24 Corrected Conc (ug/L): 95.24

Mean Conc (ug/L): 95.13 SD: 0.158 RSD(%): 0.17
Corrected Conc (ug/L): 95.13

Data not used.
off scale. Dilute and
Rerun. AA2 05/18/92

Data not used.
spike off scale. dilute
Rerun AA2 05/18/92

12

Pb ID: MERA09A Seq. No.: 00037 A/S Pos.: 13 Date: 05/18/92

Sample abs. is greater than that of the largest standard.

Replicate 1	Time: 12:08
Peak Area (A-s): 0.520	Peak Height (A): 1.007
Background Pk Area (A-s): 0.129	Background Pk Height (A): 0.200
Blank Corrected Pk Area (A-s): 0.516	
Concentration (ug/L): 115.41	Corrected Conc (ug/L): 115.41

Replicate 2	Time: 12:10
Peak Area (A-s): 0.515	Peak Height (A): 1.012
Background Pk Area (A-s): 0.134	Background Pk Height (A): 0.205
Blank Corrected Pk Area (A-s): 0.511	
Concentration (ug/L): 113.56	Corrected Conc (ug/L): 113.56

Mean Conc (ug/L): 114.48	SD: 1.308	RSD(%): 1.14
Corrected Conc (ug/L): 114.48		

Pb ID: MERA10 Seq. No.: 00038 A/S Pos.: 14 Date: 05/18/92

Sample abs. exceeds the range of the calibration function.

Replicate 1	Time: 12:12
Peak Area (A-s): 0.818	Peak Height (A): 1.300
Background Pk Area (A-s): 0.293	Background Pk Height (A): 0.350
Blank Corrected Pk Area (A-s): 0.814	
Concentration (ug/L): -----	

Sample abs. exceeds the range of the calibration function.

Replicate 2	Time: 12:14
Peak Area (A-s): 0.819	Peak Height (A): 1.279
Background Pk Area (A-s): 0.290	Background Pk Height (A): 0.342
Blank Corrected Pk Area (A-s): 0.815	
Concentration (ug/L): -----	

Sample abs. exceeds the range of the calibration function.

Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Pb ID: MERA10A Seq. No.: 00039 A/S Pos.: 15 Date: 05/18/92

Replicate 1	Time: 12:16
Peak Area (A-s): 0.006	Peak Height (A): 0.013
Background Pk Area (A-s): 0.011	Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.002	
Concentration (ug/L): 0.38	Corrected Conc (ug/L): 0.38

Replicate 2	Time: 12:18
Peak Area (A-s): 0.005	Peak Height (A): 0.010
Background Pk Area (A-s): 0.012	Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.001	
Concentration (ug/L): 0.25	Corrected Conc (ug/L): 0.25

Mean Conc (ug/L): 0.31	SD: 0.093	RSD(%): 29.81
Corrected Conc (ug/L): 0.31		

Data not used.
off scale. d: Inte
and Rerun. AA2
05/18/92

DATACHEM LABORATORIES - GFAA ANALYSIS

→ empty spot

AA2
05/18/92
272

Pb ID: CCV/12 Seq. No.: 00040 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 12:21
 Peak Area (A-s): 0.262 Peak Height (A): 0.443
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.068
 Blank Corrected Pk Area (A-s): 0.258
 Concentration (ug/L): 51.32

DATA CHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 12:23
 Peak Area (A-s): 0.266 Peak Height (A): 0.443
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.069
 Blank Corrected Pk Area (A-s): 0.262
 Concentration (ug/L): 52.14

Mean Conc (ug/L): 51.73 SD: 0.579 RSD(%): 1.12

Pb ID: CCB/12 Seq. No.: 00041 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 12:25
 Peak Area (A-s): 0.008 Peak Height (A): 0.012
 Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.73

Replicate 2 Time: 12:27
 Peak Area (A-s): 0.007 Peak Height (A): 0.010
 Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.56

Mean Conc (ug/L): 0.64 SD: 0.122 RSD(%): 18.91

Pb ID: MERA11 Seq. No.: 00042 A/S Pos.: 18 Date: 05/18/92

Sample abs. exceeds the range of the calibration function.

Replicate 1 Time: 12:29
 Peak Area (A-s): 1.057 Peak Height (A): 1.457
 Background Pk Area (A-s): 0.417 Background Pk Height (A): 0.565
 Blank Corrected Pk Area (A-s): 1.053
 Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Replicate 2 Time: 12:31
 Peak Area (A-s): 1.058 Peak Height (A): 1.485
 Background Pk Area (A-s): 0.423 Background Pk Height (A): 0.538
 Blank Corrected Pk Area (A-s): 1.054
 Concentration (ug/L): -----

Sample abs. exceeds the range of the calibration function.

Mean Conc (ug/L): ---- SD: ---- RSD(%): ----

Pb ID: MERA01-50X Seq. No.: 00043 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 12:33
 Peak Area (A-s): 0.424 Peak Height (A): 0.669

Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.420
Concentration (ug/L): 87.26 Corrected Conc (ug/L): 4363.

Replicate 2 Time: 12:35
Peak Area (A-s): 0.421 Peak Height (A): 0.676
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.417
Concentration (ug/L): 86.58 Corrected Conc (ug/L): 4329.

Mean Conc (ug/L): 86.92 SD: 0.477 RSD(%): 0.55
Corrected Conc (ug/L): 4346.

Pb ID: MERA01A-50X Seq. No.: 00044 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 12:37
Peak Area (A-s): 0.498 Peak Height (A): 0.753
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.494
Concentration (ug/L): 107.85 Corrected Conc (ug/L): 5393.

Replicate 2 Time: 12:39
Peak Area (A-s): 0.502 Peak Height (A): 0.742
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.498
Concentration (ug/L): 109.26 Corrected Conc (ug/L): 5463.

Mean Conc (ug/L): 108.55 SD: 0.993 RSD(%): 0.91
Corrected Conc (ug/L): 5428.

Pb ID: MERA02-20X Seq. No.: 00045 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 12:41
Peak Area (A-s): 0.073 Peak Height (A): 0.128
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 13.45 Corrected Conc (ug/L): 268.9

Replicate 2 Time: 12:43
Peak Area (A-s): 0.074 Peak Height (A): 0.133
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 13.60 Corrected Conc (ug/L): 271.9

Mean Conc (ug/L): 13.52 SD: 0.105 RSD(%): 0.78
Corrected Conc (ug/L): 270.4

Pb ID: MERA02A-20X Seq. No.: 00046 A/S Pos.: 23 Date: 05/18/92

Replicate 1 Time: 12:45
Peak Area (A-s): 0.175 Peak Height (A): 0.294
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 33.54 Corrected Conc (ug/L): 670.9

Replicate 2 Time: 12:47

14

Data not used - Review
off scale. dilute
#2 05/18/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Peak Area (A-s): 0.175
 Background Pk Area (A-s): 0.034
 Blank Corrected Pk Area (A-s): 0.171
 Concentration (ug/L): 33.66

Peak Height (A): 0.270
 Background Pk Height (A): 0.042
 Corrected Conc (ug/L): 673.3

Mean Conc (ug/L): 33.60 SD: 0.085 RSD(%): 0.25
 Corrected Conc (ug/L): 672.1

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: MERA020-20X Seq. No.: 00047 A/S Pos.: 24 Date: 05/18/92

Replicate 1 Time: 12:49
 Peak Area (A-s): 0.051 Peak Height (A): 0.090
 Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.017
 Blank Corrected Pk Area (A-s): 0.047
 Concentration (ug/L): 9.20 Corrected Conc (ug/L): 183.9

Replicate 2 Time: 12:51
 Peak Area (A-s): 0.050 Peak Height (A): 0.086
 Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.046
 Concentration (ug/L): 8.95 Corrected Conc (ug/L): 179.1

Mean Conc (ug/L): 9.08 SD: 0.171 RSD(%): 1.89
 Corrected Conc (ug/L): 181.5

Pb ID: MERA020A-20X Seq. No.: 00048 A/S Pos.: 25 Date: 05/18/92

Replicate 1 Time: 12:53
 Peak Area (A-s): 0.157 Peak Height (A): 0.263
 Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.040
 Blank Corrected Pk Area (A-s): 0.153
 Concentration (ug/L): 30.07 Corrected Conc (ug/L): 601.5

Replicate 2 Time: 12:55
 Peak Area (A-s): 0.156 Peak Height (A): 0.257
 Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.040
 Blank Corrected Pk Area (A-s): 0.153
 Concentration (ug/L): 29.91 Corrected Conc (ug/L): 598.2

Mean Conc (ug/L): 29.99 SD: 0.116 RSD(%): 0.39
 Corrected Conc (ug/L): 599.9

Pb ID: MERA02S-20X Seq. No.: 00049 A/S Pos.: 26 Date: 05/18/92

Replicate 1 Time: 12:57
 Peak Area (A-s): 0.074 Peak Height (A): 0.120
 Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.020
 Blank Corrected Pk Area (A-s): 0.070
 Concentration (ug/L): 13.70 Corrected Conc (ug/L): 274.0

Replicate 2 Time: 12:59
 Peak Area (A-s): 0.073 Peak Height (A): 0.130
 Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.021
 Blank Corrected Pk Area (A-s): 0.069
 Concentration (ug/L): 13.51 Corrected Conc (ug/L): 270.1

Mean Conc (ug/L): 13.60 SD: 0.137 RSD(%): 1.01
 Corrected Conc (ug/L): 272.1

Pb ID: CCV 13 Seq. No.: 00050 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 13:01
 Peak Area (A-s): 0.265 Peak Height (A): 0.457
 Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.068
 Blank Corrected Pk Area (A-s): 0.262
 Concentration (ug/L): 52.03

Replicate 2 Time: 13:03
 Peak Area (A-s): 0.249 Peak Height (A): 0.425
 Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): 0.245
 Concentration (ug/L): 48.55

Mean Conc (ug/L): 50.28 SD: 2.464 RSD(%): 4.90

Pb ID: CCB 13 Seq. No.: 00051 A/S Pos.: 28 Date: 05/18/92

Replicate 1 Time: 13:06
 Peak Area (A-s): 0.006 Peak Height (A): 0.016
 Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.38

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 13:08
 Peak Area (A-s): 0.005 Peak Height (A): 0.014
 Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.17

Mean Conc (ug/L): 0.27 SD: 0.151 RSD(%): 54.81

Pb ID: MERA03-50X Seq. No.: 00052 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 13:12
 Peak Area (A-s): 0.017 Peak Height (A): 0.034
 Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.012
 Blank Corrected Pk Area (A-s): 0.013
 Concentration (ug/L): 2.49 Corrected Conc (ug/L): 125.

Replicate 2 Time: 13:14
 Peak Area (A-s): 0.017 Peak Height (A): 0.033
 Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.013
 Concentration (ug/L): 2.56 Corrected Conc (ug/L): 128.

Mean Conc (ug/L): 2.53 SD: 0.048 RSD(%): 1.89
 Corrected Conc (ug/L): 126.

Pb ID: MERA03A-50X Seq. No.: 00053 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 13:16

Data not used. CONC. lower
than low std (3.ug/L)

Dilute and Re-run.

AAZ
05/18/92

Peak Area (A-s): 0.123
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 23.33

Peak Height (A): 0.198
Background Pk Height (A): 0.033
Corrected Conc (ug/L): 1166.

Replicate 2
Peak Area (A-s): 0.122
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.118
Concentration (ug/L): 23.09

Time: 13:18
Peak Height (A): 0.197
Background Pk Height (A): 0.030
Corrected Conc (ug/L): 1154.

Mean Conc (ug/L): 23.21 SD: 0.169 RSD(%): 0.73
Corrected Conc (ug/L): 1160.

Pb ID: MERA08-20X Seq. No.: 00054 A/S Pos.: 8 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.043
Background Pk Area (A-s): 0.021
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 7.53

Time: 13:20
Peak Height (A): 0.072
Background Pk Height (A): 0.012
Corrected Conc (ug/L): 150.5

Replicate 2
Peak Area (A-s): 0.038
Background Pk Area (A-s): 0.024
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 6.65

Time: 13:22
Peak Height (A): 0.064
Background Pk Height (A): 0.014
Corrected Conc (ug/L): 133.0

Mean Conc (ug/L): 7.09 SD: 0.618 RSD(%): 8.72
Corrected Conc (ug/L): 141.8

Pb ID: MERA08A-20X Seq. No.: 00055 A/S Pos.: 9 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.145
Background Pk Area (A-s): 0.042
Blank Corrected Pk Area (A-s): 0.141
Concentration (ug/L): 27.66

Time: 13:24
Peak Height (A): 0.234
Background Pk Height (A): 0.037
Corrected Conc (ug/L): 553.2

Replicate 2
Peak Area (A-s): 0.148
Background Pk Area (A-s): 0.038
Blank Corrected Pk Area (A-s): 0.144
Concentration (ug/L): 28.28

Time: 13:26
Peak Height (A): 0.241
Background Pk Height (A): 0.034
Corrected Conc (ug/L): 565.5

Mean Conc (ug/L): 27.97 SD: 0.436 RSD(%): 1.56
Corrected Conc (ug/L): 559.4

Pb ID: MERA09-20X Seq. No.: 00056 A/S Pos.: 10 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.029
Background Pk Area (A-s): 0.023
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 4.99

Time: 13:29
Peak Height (A): 0.055
Background Pk Height (A): 0.013
Corrected Conc (ug/L): 99.8

17

Data not used - conc. lower
than low std (3. ug/L)

Dilute and Rerun.

AA205/18/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 13:31
 Peak Area (A-s): 0.033 Peak Height (A): 0.054
 Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.030
 Concentration (ug/L): 5.76 Corrected Conc (ug/L): 115.1

Mean Conc (ug/L): 5.37 SD: 0.544 RSD(%): 10.12
 Corrected Conc (ug/L): 107.4

Pb ID: MERA09A-20X Seq. No.: 00057 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 13:33
 Peak Area (A-s): 0.142 Peak Height (A): 0.226
 Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.034
 Blank Corrected Pk Area (A-s): 0.138
 Concentration (ug/L): 26.96 Corrected Conc (ug/L): 539.3

Replicate 2 Time: 13:35
 Peak Area (A-s): 0.138 Peak Height (A): 0.227
 Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.037
 Blank Corrected Pk Area (A-s): 0.134
 Concentration (ug/L): 26.24 Corrected Conc (ug/L): 524.8

Mean Conc (ug/L): 26.60 SD: 0.511 RSD(%): 1.92
 Corrected Conc (ug/L): 532.0

DATACHEM LABORATORIES — GFAA ANALYSIS

Pb ID: MERA10-30X Seq. No.: 00058 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 13:37
 Peak Area (A-s): 0.042 Peak Height (A): 0.074
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.038
 Concentration (ug/L): 7.35 Corrected Conc (ug/L): 220.4

Replicate 2 Time: 13:39
 Peak Area (A-s): 0.039 Peak Height (A): 0.069
 Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.036
 Concentration (ug/L): 6.90 Corrected Conc (ug/L): 207.1

Mean Conc (ug/L): 7.13 SD: 0.314 RSD(%): 4.41
 Corrected Conc (ug/L): 213.8

Pb ID: MERA10A-30X Seq. No.: 00059 A/S Pos.: 13 Date: 05/18/92

Replicate 1 Time: 13:41
 Peak Area (A-s): 0.141 Peak Height (A): 0.253
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.039
 Blank Corrected Pk Area (A-s): 0.137
 Concentration (ug/L): 26.91 Corrected Conc (ug/L): 807.3

Replicate 2 Time: 13:43
 Peak Area (A-s): 0.147 Peak Height (A): 0.251
 Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.040
 Blank Corrected Pk Area (A-s): 0.144
 Concentration (ug/L): 28.13 Corrected Conc (ug/L): 843.9

Mean Conc (ug/L): 27.52 SD: 0.864 RSD(%): 3.14
 Corrected Conc (ug/L): 825.6

Pb ID: MERA11-50X Seq. No.: 00060 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 13:45
 Peak Area (A-s): 0.046 Peak Height (A): 0.076
 Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.042
 Concentration (ug/L): 8.21 Corrected Conc (ug/L): 410.

Replicate 2 Time: 13:47
 Peak Area (A-s): 0.048 Peak Height (A): 0.076
 Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.044
 Concentration (ug/L): 8.64 Corrected Conc (ug/L): 432.

Mean Conc (ug/L): 8.42 SD: 0.304 RSD(%): 3.61
 Corrected Conc (ug/L): 421.

Pb ID: MERA11A-50X Seq. No.: 00061 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 13:49
 Peak Area (A-s): 0.147 Peak Height (A): 0.232
 Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.037
 Blank Corrected Pk Area (A-s): 0.144
 Concentration (ug/L): 28.13 Corrected Conc (ug/L): 1407.

Replicate 2 Time: 13:51
 Peak Area (A-s): 0.149 Peak Height (A): 0.240
 Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.039
 Blank Corrected Pk Area (A-s): 0.145
 Concentration (ug/L): 28.35 Corrected Conc (ug/L): 1418.

Mean Conc (ug/L): 28.24 SD: 0.157 RSD(%): 0.56
 Corrected Conc (ug/L): 1412.

Pb ID: CCV 14 Seq. No.: 00062 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 13:54
 Peak Area (A-s): 0.251 Peak Height (A): 0.463
 Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.071
 Blank Corrected Pk Area (A-s): 0.247
 Concentration (ug/L): 49.07

Replicate 2 Time: 13:56
 Peak Area (A-s): 0.261 Peak Height (A): 0.441
 Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.066
 Blank Corrected Pk Area (A-s): 0.257
 Concentration (ug/L): 51.08

Mean Conc (ug/L): 50.07 SD: 1.422 RSD(%): 2.84

DATACHEM LABORATORIES -- GFAA ANALYSIS

Pb ID: CCB 14 Seq. No.: 00063 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 13:58
 Peak Area (A-s): 0.005 Peak Height (A): 0.013
 Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.012
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.30

Replicate 2 Time: 14:00
 Peak Area (A-s): 0.005 Peak Height (A): 0.012
 Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.014
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.24

Mean Conc (ug/L): 0.27 SD: 0.047 RSD(%): 17.49

Pb ID: MERA01-100X Seq. No.: 00064 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 14:04
 Peak Area (A-s): 0.229 Peak Height (A): 0.376
 Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.055
 Blank Corrected Pk Area (A-s): 0.225
 Concentration (ug/L): 44.53 Corrected Conc (ug/L): 4453.

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 14:06
 Peak Area (A-s): 0.230 Peak Height (A): 0.358
 Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.054
 Blank Corrected Pk Area (A-s): 0.227
 Concentration (ug/L): 44.81 Corrected Conc (ug/L): 4481.

Mean Conc (ug/L): 44.67 SD: 0.204 RSD(%): 0.46
 Corrected Conc (ug/L): 4467.

Pb ID: MERA01A-100X Seq. No.: 00065 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 14:08
 Peak Area (A-s): 0.325 Peak Height (A): 0.517
 Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.081
 Blank Corrected Pk Area (A-s): 0.322
 Concentration (ug/L): 64.74 Corrected Conc (ug/L): 6474.

Replicate 2 Time: 14:10
 Peak Area (A-s): 0.329 Peak Height (A): 0.535
 Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.084
 Blank Corrected Pk Area (A-s): 0.326
 Concentration (ug/L): 65.61 Corrected Conc (ug/L): 6561.

Mean Conc (ug/L): 65.17 SD: 0.617 RSD(%): 0.95
 Corrected Conc (ug/L): 6517.

Pb ID: MERA03-40X Seq. No.: 00066 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 14:12
 Peak Area (A-s): 0.074 Peak Height (A): 0.116
 Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.019
 Blank Corrected Pk Area (A-s): 0.070
 Concentration (ug/L): 13.60 Corrected Conc (ug/L): 544.2

Replicate 2 Time: 14:14
 Peak Area (A-s): 0.072 Peak Height (A): 0.119
 Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.018
 Blank Corrected Pk Area (A-s): 0.068
 Concentration (ug/L): 13.31 Corrected Conc (ug/L): 532.6

Mean Conc (ug/L): 13.46 SD: 0.206 RSD(%): 1.53
 Corrected Conc (ug/L): 538.4

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: HERA03A-40X Seq. No.: 00067 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 14:16
 Peak Area (A-s): 0.175 Peak Height (A): 0.299
 Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.045
 Blank Corrected Pk Area (A-s): 0.171
 Concentration (ug/L): 33.62 Corrected Conc (ug/L): 1344.7

Replicate 2 Time: 14:18
 Peak Area (A-s): 0.176 Peak Height (A): 0.299
 Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.046
 Blank Corrected Pk Area (A-s): 0.173
 Concentration (ug/L): 33.90 Corrected Conc (ug/L): 1355.8

Mean Conc (ug/L): 33.76 SD: 0.197 RSD(%): 0.58
 Corrected Conc (ug/L): 1350.3

Pb ID: CCV 15 Seq. No.: 00068 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 14:20
 Peak Area (A-s): 0.255 Peak Height (A): 0.419
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.063
 Blank Corrected Pk Area (A-s): 0.251
 Concentration (ug/L): 49.91

Replicate 2 Time: 14:22
 Peak Area (A-s): 0.259 Peak Height (A): 0.435
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): 0.256
 Concentration (ug/L): 50.77

Mean Conc (ug/L): 50.34 SD: 0.605 RSD(%): 1.20

Pb ID: CCB 15 Seq. No.: 00069 A/S Pos.: 23 Date: 05/18/92

Replicate 1 Time: 14:24
 Peak Area (A-s): 0.007 Peak Height (A): 0.014
 Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.72

Replicate 2 Time: 14:26
 Peak Area (A-s): 0.005 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.017
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.31

282

DATAChem LABORATORIES - GCMA ANALYSIS

MEAN CONC (ug/L): 0.52
SD: 0.286
RSD(%) : 55.49

22

sponsor: USEPA

Data Chem Acct #: 3533

Data Chem ID : SF-1148; SF-1149

Data Chem Sample #: CLP 10195-10201

SDG #: MYH 766

Case #: 18014

Matrix: H₂O

USEPA

3533 At 2
05/19/92

~~CLP 10168-78~~ SF - 1144

CLP 10168-78

MERA 01

19026

H₂O / soil

DATACHEM LABORATORIES - GFAA ANALYSIS

Element File: AA2PB.GEL Element: Pb Wavelength: 283.3
Date: 05/19/92 Time: 11:42 Slit: 0.70 L
Data File: PB3.DAT ID/Wt File: PB3.IOW Lamp Current: 0
Technique: HGA Calib. Type: Nonlinear Energy: 67

Pb ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/19/92

Replicate 1 Time: 11:42
Peak Area (A-s): 0.014 Peak Height (A): 0.027
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.49

Replicate 2 Time: 11:44
Peak Area (A-s): 0.015 Peak Height (A): 0.028
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.41

Mean Conc (ug/L): -0.45 SD: 0.056 RSD(%): 12.40

Auto-zero performed.

Pb ID: S3 Seq. No.: 00002 A/S Pos.: 2 Date: 05/19/92

Replicate 1 Time: 11:46

Peak Area (A-s): 0.027
 Background Pk Area (A-s): 0.013
 Blank Corrected Pk Area (A-s): 0.013
 Concentration (ug/L): 2.95

Replicate 2 Time: 11:48
 Peak Area (A-s): 0.027 Peak Height (A): 0.049
 Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): 0.013
 Concentration (ug/L): 2.94

Mean Conc (ug/L): 2.94 SD: 0.007 RSD(%): 0.24

Standard number 1 applied. [3.00]
 Correlation coefficient: 1.00000 Slope: 0.0043

Pb ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/19/92

Replicate 1 Time: 11:50
 Peak Area (A-s): 0.122 Peak Height (A): 0.225
 Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.033
 Blank Corrected Pk Area (A-s): 0.107
 Concentration (ug/L): 25.20

Replicate 2 Time: 11:52
 Peak Area (A-s): 0.120 Peak Height (A): 0.217
 Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.033
 Blank Corrected Pk Area (A-s): 0.106
 Concentration (ug/L): 24.85

Mean Conc (ug/L): 25.02 SD: 0.246 RSD(%): 0.99

Standard number 2 applied. [20.00]
 Correlation coefficient: 1.00000 Slope: 0.0041

Pb ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/19/92

Replicate 1 Time: 11:54
 Peak Area (A-s): 0.276 Peak Height (A): 0.489
 Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.076
 Blank Corrected Pk Area (A-s): 0.262
 Concentration (ug/L): 36.87

Replicate 2 Time: 11:56
 Peak Area (A-s): 0.278 Peak Height (A): 0.472
 Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.071
 Blank Corrected Pk Area (A-s): 0.264
 Concentration (ug/L): 37.04

Mean Conc (ug/L): 36.96 SD: 0.122 RSD(%): 0.33

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 3 applied. [50.00]
 Correlation coefficient: 0.99773 Slope: 0.0046

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/19/92

Replicate 1
Peak Area (A-s): 0.494
Background Pk Area (A-s): 0.087
Blank Corrected Pk Area (A-s): 0.480
Concentration (ug/L): 78.40

Time: 11:50
Peak Height (A): 0.804
Background Pk Height (A): 0.141

3

Replicate 2
Peak Area (A-s): 0.493
Background Pk Area (A-s): 0.086
Blank Corrected Pk Area (A-s): 0.479
Concentration (ug/L): 78.27

Time: 12:00
Peak Height (A): 0.813
Background Pk Height (A): 0.141

Mean Conc (ug/L): 78.34 SD: 0.091 RSD(%): 0.12

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 4 applied. [100.00]

Correlation coefficient: 0.99681 Slope: 0.0049

DATACHEM LABORATORIES - GFAA ANALYSIS

Pb ID: ICV_3 Seq. No.: 00006 A/S Pos.: 6 Date: 05/19/92

Replicate 1
Peak Area (A-s): 0.280
Background Pk Area (A-s): 0.049
Blank Corrected Pk Area (A-s): 0.266
Concentration (ug/L): 53.54

Time: 12:02
Peak Height (A): 0.493
Background Pk Height (A): 0.075

Replicate 2
Peak Area (A-s): 0.280
Background Pk Area (A-s): 0.050

Time: 12:04
Peak Height (A): 0.480
Background Pk Height (A): 0.074

ICV₂ for my H 766

AA2
05/19/92

Blank Corrected Pk Area (A-s): 0.266
Concentration (ug/L): 53.61

Mean Conc (ug/L): 53.57 SD: 0.044 RSD(%): 0.08

Pb ID: ICB_3 Seq. No.: 00007 A/S Pos.: 7 Date: 05/19/92

Replicate 1
Peak Area (A-s): 0.009
Background Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.02

Time: 12:06
Peak Height (A): 0.020
Background Pk Height (A): 0.014

Replicate 2
Peak Area (A-s): 0.006
Background Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.74

Time: 12:08
Peak Height (A): 0.015
Background Pk Height (A): 0.014

Mean Conc (ug/L): -1.38 SD: 0.506 RSD(%): 36.76

ICB₂ for my H 766

AA2
05/19/92

Pb ID: CCV_6 Seq. No.: 00008 A/S Pos.: 8 Date: 05/19/92

Replicate 1
Peak Area (A-s): 0.284
Background Pk Area (A-s): 0.052
Blank Corrected Pk Area (A-s): 0.270

Time: 12:10
Peak Height (A): 0.519
Background Pk Height (A): 0.081

CCV₆
CCV for my H 766

AA2
05/19/92

285

Concentration (ug/L): 54.36

Replicate 2 Time: 12:12
Peak Area (A-s): 0.256 Peak Height (A): 0.443
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.242
Concentration (ug/L): 48.79

Mean Conc (ug/L): 51.58 SD: 3.942 RSD(%): 7.64

Pb ID: CCB 16 Seq. No.: 00009 A/S Pos.: 9 Date: 05/19/92

Replicate 1 Time: 12:15
Peak Area (A-s): 0.009 Peak Height (A): 0.017
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -1.14

Replicate 2 Time: 12:17
Peak Area (A-s): 0.007 Peak Height (A): 0.017
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.60

Mean Conc (ug/L): -1.37 SD: 0.331 RSD(%): 24.15

Pb ID: CRA 3 Seq. No.: 00010 A/S Pos.: 10 Date: 05/19/92

Replicate 1 Time: 12:19
Peak Area (A-s): 0.024 Peak Height (A): 0.049
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 2.04

Replicate 2 Time: 12:21
Peak Area (A-s): 0.024 Peak Height (A): 0.045
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 1.93

Mean Conc (ug/L): 1.99 SD: 0.082 RSD(%): 4.12

Pb ID: MERA27-10X Seq. No.: 00011 A/S Pos.: 11 Date: 05/19/92

Replicate 1 Time: 12:23
Peak Area (A-s): 0.010 Peak Height (A): 0.021
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.98 Corrected Conc (ug/L): -10.9

Replicate 2 Time: 12:25
Peak Area (A-s): 0.012 Peak Height (A): 0.020
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.54 Corrected Conc (ug/L): -6.0

CCB6

~~CCB5~~ for my H 766

AA2

05/19/92

DATACHEM LABORATORIES - GFAA ANALYSIS

CRA₂ for my H 766

AA2

05/19/92

286

Mean Conc (ug/L): -0.10 SD: 0.012 RSD(%): 40.70

Corrected Conc (ug/L): -8.5

S

Pb ID: MERA27A-10X Seq. No.: 00012 A/S Pos.: 12 Date: 05/19/92

Replicate 1 Time: 12:27
Peak Area (A-s): 0.126 Peak Height (A): 0.221
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 22.70 Corrected Conc (ug/L): 252.2

Replicate 2 Time: 12:29
Peak Area (A-s): 0.127 Peak Height (A): 0.193
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.113
Concentration (ug/L): 22.99 Corrected Conc (ug/L): 255.4

Mean Conc (ug/L): 22.85 SD: 0.203 RSD(%): 0.89
Corrected Conc (ug/L): 253.8

DATACHEM LABORATORIES — GFAA ANALYSIS

Pb ID: MYH783 Seq. No.: 00013 A/S Pos.: 13 Date: 05/19/92

Replicate 1 Time: 12:31
Peak Area (A-s): 0.014 Peak Height (A): 0.026
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.05 Corrected Conc (ug/L): -0.06

Replicate 2 Time: 12:34
Peak Area (A-s): 0.010 Peak Height (A): 0.025
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.89 Corrected Conc (ug/L): -0.99

Mean Conc (ug/L): -0.47 SD: 0.592 RSD(%): 126.40
Corrected Conc (ug/L): -0.52

Pb ID: MYH783A Seq. No.: 00014 A/S Pos.: 14 Date: 05/19/92

Replicate 1 Time: 12:36
Peak Area (A-s): 0.231 Peak Height (A): 0.356
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.217
Concentration (ug/L): 43.80

Replicate 2 Time: 12:38
Peak Area (A-s): 0.147 Peak Height (A): 0.241
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 26.90

Mean Conc (ug/L): 35.37 SD: 11.946 RSD(%): 33.80

Pb ID: MYH783 Seq. No.: 00015 A/S Pos.: 13 Date: 05/19/92

Data not used.
high RSD for
spike. AA2
05/19/92

Replicate 1 Time: 12:40
Peak Area (A-s): 0.026 Peak Height (A): 0.043
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.36 Corrected Conc (ug/L): 2.62

6
Replicate 2 Time: 12:42
Peak Area (A-s): 0.019 Peak Height (A): 0.032
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.96 Corrected Conc (ug/L): 1.07

Mean Conc (ug/L): 1.66 SD: 0.987 RSD(%): 59.47
Corrected Conc (ug/L): 1.84

Pb ID: MYH783A Seq. No.: 00016 A/S Pos.: 14 Date: 05/19/92

Replicate 1 Time: 12:44
Peak Area (A-s): 0.130 Peak Height (A): 0.228
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.115
Concentration (ug/L): 23.48

Replicate 2 Time: 12:46
Peak Area (A-s): 0.131 Peak Height (A): 0.239
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.116
Concentration (ug/L): 23.63

DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 23.56 SD: 0.103 RSD(%): 0.44

Pb ID: CCV₁₇ Seq. No.: 00017 A/S Pos.: 15 Date: 05/19/92

Replicate 1 Time: 12:48
Peak Area (A-s): 0.253 Peak Height (A): 0.400
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.239
Concentration (ug/L): 48.16

Replicate 2 Time: 12:50
Peak Area (A-s): 0.257 Peak Height (A): 0.441
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.245
Concentration (ug/L): 48.96

Mean Conc (ug/L): 48.56 SD: 0.567 RSD(%): 1.17

Pb ID: CCB₁₇ Seq. No.: 00018 A/S Pos.: 16 Date: 05/19/92

Replicate 1 Time: 12:52
Peak Area (A-s): 0.010 Peak Height (A): 0.020
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.95

Replicate 2 Time: 12:54

CCV₇

~~CCV₆~~ for my H 766.

AA2

05/19/92

CCB₇

288

~~CCB₆~~ for my H 766.

AA2

05/19/92

Mean Area (A-s): 0.010 Mean Height (H): 0.024
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.95

Mean Conc (ug/L): -0.95 SD: 0.002 RSD(%): 0.20

4
DATACHEM LABORATORIES - GFAA ANALYSIS

sampleid	testid	average	std	
MERA010	Se	0.0000	0.0000	STD ADDNS RESULT = -0.0852
MERA011	Se	0.0350	10.0000	slope(m) y-int(b) correl(r)
MERA012	Se	0.0690	20.0000	0.0035 -0.0003 0.9999
MERA013	Se	0.1060	30.0000	

/ DATACHEM
LABORATORIES

Sponsor: USEPA
Data Chem Acct #: 3533
Data Chem ID : SF-1148; SF-1149
Data Chem sample #: CLP10195-10201
SDG #: MYH 766
Case #: 18014
Matrix: H₂O

USEPA
3533
SF-1144
CLP10168-78
MERA 01
10026
H₂O

Element File: AA2SE.GEL Element: Se Wavelength: 196.0
Date: 05/15/92 Time: 08:42 Slit: 0.70 L
Data File: MYH766S1.DAT ID/Wt File: MYH766S1.IDW Lamp Current: 0
Technique: HGA Calib. Type: Nonlinear Energy: 66

Se ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/15/92

Replicate 1 Time: 08:42
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.11

Replicate 2 Time: 08:44
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.69

Mean Conc (ug/L): 0.29 SD: 0.559 RSD(%): 193.08

Auto-zero performed.

Se ID: S5 Seq. No.: 00002 A/S Pos.: 2 Date: 05/15/92

Replicate 1 Time: 08:46
Peak Area (A-s): 0.014 Peak Height (A): 0.028

DATACHEM LABORATORIES - GFAA ANALYSIS

Anna Kraini
Se
MAS-ZEC

Background Pk Area (A-s): 0.020
 Blank Corrected Pk Area (A-s): 0.014
 Concentration (ug/L): 3.82

Replicate 2 Time: 08:47
 Peak Area (A-s): 0.017 Peak Height (A): 0.028
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.012
 Blank Corrected Pk Area (A-s): 0.018
 Concentration (ug/L): 4.69

Mean Conc (ug/L): 4.25 SD: 0.615 RSD(%): 14.46

Standard number 1 applied. [5.00]
 Correlation coefficient: 1.00000 Slope: 0.0032

Se ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/15/92

Replicate 1 Time: 08:49
 Peak Area (A-s): 0.072 Peak Height (A): 0.102
 Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.029
 Blank Corrected Pk Area (A-s): 0.072
 Concentration (ug/L): 22.55

Replicate 2 Time: 08:51
 Peak Area (A-s): 0.074 Peak Height (A): 0.109
 Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.031
 Blank Corrected Pk Area (A-s): 0.075
 Concentration (ug/L): 23.33

Mean Conc (ug/L): 22.94 SD: 0.552 RSD(%): 2.41

Standard number 2 applied. [20.00]
 Correlation coefficient: 1.00000 Slope: 0.0031

Se ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/15/92

Replicate 1 Time: 08:53
 Peak Area (A-s): 0.175 Peak Height (A): 0.246
 Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.071
 Blank Corrected Pk Area (A-s): 0.175
 Concentration (ug/L): 38.88

Replicate 2 Time: 08:55
 Peak Area (A-s): 0.178 Peak Height (A): 0.235
 Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.069
 Blank Corrected Pk Area (A-s): 0.178
 Concentration (ug/L): 39.32

DATACHEM LABORATORIES - GFAA ANALYSIS

Mean Conc (ug/L): 39.10 SD: 0.317 RSD(%): 0.81

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 3 applied. [50.00]
 Correlation coefficient: 0.99869 Slope: 0.0034

Se ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/15/92

Replicate 1 Time: 08:57
 Peak Area (A-s): 0.332 Peak Height (A): 0.442

Background Pk Area (A-s): 0.111
Blank Corrected Pk Area (A-s): 0.333
Concentration (ug/L): 86.51

3

Replicate 2 Time: 08:59
Peak Area (A-s): 0.337 Peak Height (A): 0.431
Background Pk Area (A-s): 0.109 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.338
Concentration (ug/L): 87.68

Mean Conc (ug/L): 87.09 SD: 0.830 RSD(%): 0.95

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 4 applied. [100.00]

Correlation coefficient: 0.99915 Slope: 0.0035

Se ID: ICV Seq. No.: 00006 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 09:02
Peak Area (A-s): 0.182 Peak Height (A): 0.217
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.182
Concentration (ug/L): 52.85

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 2 Time: 09:04
Peak Area (A-s): 0.172 Peak Height (A): 0.239
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.069

Blank Corrected Pk Area (A-s): 0.173
Concentration (ug/L): 50.05

Mean Conc (ug/L): 51.45 SD: 1.982 RSD(%): 3.85

Se ID: ICB Seq. No.: 00007 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 09:06
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.53

Replicate 2 Time: 09:08
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.10

Mean Conc (ug/L): 0.21 SD: 0.451 RSD(%): 209.91

Se ID: CCV Seq. No.: 00008 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 09:10
Peak Area (A-s): 0.180 Peak Height (A): 0.238
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.181
Concentration (ug/L): 52.44

293

Replicate 2 Time: 09:10

Peak Area (A-s): 0.176
 Background Pk Area (A-s): 0.061
 Blank Corrected Pk Area (A-s): 0.177
 Concentration (ug/L): 51.23

Mean Conc (ug/L): 51.83 SD: 0.854 RSD(%): 1.65

Se ID: CCB Seq. No.: 00009 A/S Pos.: 9 Date: 05/15/92

Replicate 1 Time: 09:14
 Peak Area (A-s): 0.003 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.009
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 1.04

Replicate 2 Time: 09:16
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.008
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.05

Mean Conc (ug/L): 0.49 SD: 0.769 RSD(%): 155.47

Se ID: CRA Seq. No.: 00010 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 09:18
 Peak Area (A-s): 0.018 Peak Height (A): 0.029
 Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.012
 Blank Corrected Pk Area (A-s): 0.019
 Concentration (ug/L): 5.45

Replicate 2 Time: 09:20
 Peak Area (A-s): 0.016 Peak Height (A): 0.027
 Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.012
 Blank Corrected Pk Area (A-s): 0.017
 Concentration (ug/L): 4.85

Mean Conc (ug/L): 5.15 SD: 0.421 RSD(%): 8.17

Se ID: PBW(NYH766) Seq. No.: 00011 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 09:23
 Peak Area (A-s): -0.001 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.007
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.08 Corrected Conc (ug/L): -0.09

Replicate 2 Time: 09:25
 Peak Area (A-s): -0.002 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.007
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.33 Corrected Conc (ug/L): -0.36

Mean Conc (ug/L): -0.20 SD: 0.177 RSD(%): 87.55
 Corrected Conc (ug/L): -0.22

DATACHEM LABORATORIES -- GFAA ANALYSIS

Se ID: PBWA Seq. No.: 00012 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 09:27
 Peak Area (A-s): 0.035 Peak Height (A): 0.049
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): 0.035
 Concentration (ug/L): 10.20 Corrected Conc (ug/L): 11.34

Replicate 2 Time: 09:29
 Peak Area (A-s): 0.036 Peak Height (A): 0.054
 Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): 0.036
 Concentration (ug/L): 10.29 Corrected Conc (ug/L): 11.44

Mean Conc (ug/L): 10.25 SD: 0.063 RSD(%): 0.61
 Corrected Conc (ug/L): 11.39

Se ID: LCSW Seq. No.: 00013 A/S Pos.: 13 Date: 05/15/92

Replicate 1 Time: 09:31
 Peak Area (A-s): 0.159 Peak Height (A): 0.214
 Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.060
 Blank Corrected Pk Area (A-s): 0.160
 Concentration (ug/L): 46.26 Corrected Conc (ug/L): 51.40

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 2 Time: 09:33
 Peak Area (A-s): 0.160 Peak Height (A): 0.216
 Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.059
 Blank Corrected Pk Area (A-s): 0.160
 Concentration (ug/L): 46.37 Corrected Conc (ug/L): 51.52

Mean Conc (ug/L): 46.32 SD: 0.076 RSD(%): 0.16
 Corrected Conc (ug/L): 51.46

Se ID: LCSWA Seq. No.: 00014 A/S Pos.: 14 Date: 05/15/92

Replicate 1 Time: 09:35
 Peak Area (A-s): 0.188 Peak Height (A): 0.249
 Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.070
 Blank Corrected Pk Area (A-s): 0.188
 Concentration (ug/L): 54.54 Corrected Conc (ug/L): 60.60

Replicate 2 Time: 09:37
 Peak Area (A-s): 0.192 Peak Height (A): 0.267
 Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.075
 Blank Corrected Pk Area (A-s): 0.192
 Concentration (ug/L): 55.71 Corrected Conc (ug/L): 61.90

Mean Conc (ug/L): 55.12 SD: 0.826 RSD(%): 1.50
 Corrected Conc (ug/L): 61.25

295

Se ID: MYH755 Seq. No.: 00015 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 09:39
 Peak Area (A-s): 0.031 Peak Height (A): 0.030

Background Pk Area (A-s): 0.156 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 3.18 Corrected Conc (ug/L): 3.54

6

Replicate 2 Time: 09:41
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.151 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.28 Corrected Conc (ug/L): 0.31

Mean Conc (ug/L): 1.73 SD: 2.055 RSD(%): 118.80
Corrected Conc (ug/L): 1.92

Se ID: MYH755A Seq. No.: 00016 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 09:43
Peak Area (A-s): 0.027 Peak Height (A): 0.021
Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 7.89 Corrected Conc (ug/L): 8.77

Replicate 2 Time: 09:45
Peak Area (A-s): 0.026 Peak Height (A): 0.021
Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 7.51 Corrected Conc (ug/L): 8.34

Mean Conc (ug/L): 7.70 SD: 0.270 RSD(%): 3.51
Corrected Conc (ug/L): 8.55

Se ID: NYH766 Seq. No.: 00017 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 09:47
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.37 Corrected Conc (ug/L): -0.41

Replicate 2 Time: 09:49
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.26 Corrected Conc (ug/L): -0.29

Mean Conc (ug/L): -0.32 SD: 0.079 RSD(%): 25.01
Corrected Conc (ug/L): -0.35

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: NYH766A Seq. No.: 00018 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 09:51
Peak Area (A-s): 0.029 Peak Height (A): 0.034
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.45 Corrected Conc (ug/L): 9.39

Replicate 2 Time: 09:53
Peak Area (A-s): 0.029 Peak Height (A): 0.034

296

Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 8.58 Corrected Conc (ug/L): 9.53

Mean Conc (ug/L): 8.51 SD: 0.090 RSD(%): 1.06
Corrected Conc (ug/L): 9.46

Se ID: CCV² Seq. No.: 00019 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 09:55
Peak Area (A-s): 0.172 Peak Height (A): 0.216
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.173
Concentration (ug/L): 50.00

Replicate 2 Time: 09:57
Peak Area (A-s): 0.171 Peak Height (A): 0.228
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 49.70

Mean Conc (ug/L): 49.85 SD: 0.209 RSD(%): 0.42

DATACHEM LABORATORIES — GFAA ANALYSIS

Se ID: CCB² Seq. No.: 00020 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 09:59
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.22

Replicate 2 Time: 10:01
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.07

Mean Conc (ug/L): -0.08 SD: 0.210 RSD(%): 279.22

Se ID: MYH766D Seq. No.: 00021 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 10:04
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.60 Corrected Conc (ug/L): 0.67

Replicate 2 Time: 10:06
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.22 Corrected Conc (ug/L): -0.25

Mean Conc (ug/L): 0.19 SD: 0.583 RSD(%): 306.09
Corrected Conc (ug/L): 0.21

Se ID: MYH766A Seq. No.: 00022 A/S Pos.: 22 Date: 05/15/92

Replicate 1 Time: 10:08
Peak Area (A-s): 0.029 Peak Height (A): 0.032
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.37 Corrected Conc (ug/L): 9.30

Replicate 2 Time: 10:10
Peak Area (A-s): 0.030 Peak Height (A): 0.033
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 8.83 Corrected Conc (ug/L): 9.81

Mean Conc (ug/L): 8.60 SD: 0.321 RSD(%): 3.73
Corrected Conc (ug/L): 9.56

Se ID: MYH766S Seq. No.: 00023 A/S Pos.: 23 Date: 05/15/92

Replicate 1 Time: 10:12
Peak Area (A-s): 0.031 Peak Height (A): 0.034
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 9.15 Corrected Conc (ug/L): 10.17

Replicate 2 Time: 10:14
Peak Area (A-s): 0.029 Peak Height (A): 0.035
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.45 Corrected Conc (ug/L): 9.38

Mean Conc (ug/L): 8.80 SD: 0.498 RSD(%): 5.66
Corrected Conc (ug/L): 9.77

Se ID: MYH781 Seq. No.: 00024 A/S Pos.: 24 Date: 05/15/92

Replicate 1 Time: 10:16
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.147 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.50 Corrected Conc (ug/L): -0.55

Replicate 2 Time: 10:18
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.40 Corrected Conc (ug/L): -0.45

Mean Conc (ug/L): -0.45 SD: 0.067 RSD(%): 14.90
Corrected Conc (ug/L): -0.50

DATACHEM LABORATORIES — GFAA ANALYSIS

298

Se ID: MYH781A Seq. No.: 00025 A/S Pos.: 25 Date: 05/15/92

Replicate 1 Time: 10:20
Peak Area (A-s): 0.028 Peak Height (A): 0.028

Background Pk Area (A-s): 0.158
 Blank Corrected Pk Area (A-s): 0.027
 Concentration (ug/L): 7.75
 Background Pk Height (A): 0.060
 Corrected Conc (ug/L): 8.61

Replicate 2
 Peak Area (A-s): 0.026
 Background Pk Area (A-s): 0.154
 Blank Corrected Pk Area (A-s): 0.026
 Concentration (ug/L): 7.63
 Time: 10:22
 Peak Height (A): 0.021
 Background Pk Height (A): 0.059
 Corrected Conc (ug/L): 8.48

Mean Conc (ug/L): 7.69 SD: 0.083 RSD(%): 1.08
 Corrected Conc (ug/L): 8.54

Se ID: MYH782 Seq. No.: 00026 A/S Pos.: 26 Date: 05/15/92

Replicate 1
 Peak Area (A-s): -0.001
 Background Pk Area (A-s): 0.013
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.24
 Time: 10:24
 Peak Height (A): 0.005
 Background Pk Height (A): 0.008
 Corrected Conc (ug/L): -0.27

Replicate 2
 Peak Area (A-s): -0.004
 Background Pk Area (A-s): 0.015
 Blank Corrected Pk Area (A-s): -0.003
 Concentration (ug/L): -0.89
 Time: 10:26
 Peak Height (A): 0.005
 Background Pk Height (A): 0.008
 Corrected Conc (ug/L): -0.99

DATACHEM LABORATORIES – GFAA ANALYSIS

Mean Conc (ug/L): -0.67 SD: 0.461 RSD(%): 81.43
 Corrected Conc (ug/L): -0.63

Se ID: MYH782A Seq. No.: 00027 A/S Pos.: 27 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.033
 Background Pk Area (A-s): 0.020
 Blank Corrected Pk Area (A-s): 0.034
 Concentration (ug/L): 9.72
 Time: 10:28
 Peak Height (A): 0.052
 Background Pk Height (A): 0.016
 Corrected Conc (ug/L): 10.80

Replicate 2
 Peak Area (A-s): 0.033
 Background Pk Area (A-s): 0.020
 Blank Corrected Pk Area (A-s): 0.033
 Concentration (ug/L): 9.54
 Time: 10:30
 Peak Height (A): 0.056
 Background Pk Height (A): 0.018
 Corrected Conc (ug/L): 10.60

Mean Conc (ug/L): 9.63 SD: 0.130 RSD(%): 1.35
 Corrected Conc (ug/L): 10.70

Se ID: MYH783 Seq. No.: 00028 A/S Pos.: 28 Date: 05/15/92

Replicate 1
 Peak Area (A-s): -0.002
 Background Pk Area (A-s): 0.009
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.53
 Time: 10:32
 Peak Height (A): 0.005
 Background Pk Height (A): 0.006
 Corrected Conc (ug/L): -0.59

Replicate 2
 Peak Area (A-s): n.nnn
 Peak Height (A): n.nnn
 Time: 10:34

300

DATA CHEM LABORATORIES - GFAA ANALYSIS

Se ID: CC8

Seq. No.: 00031 A/S Pos.: 31 Date: 05/15/92

Replicate 2
Background PK Height (A): 0.005
Peak Area (A-S): 0.001
Time: 10:47
Blank Corrected PK Area (A-S): 0.011
Background PK Height (A): 0.006
Peak Height (A): 0.005
Concentration (ug/L): 0.86

Replicate 2
Background PK Height (A): 0.005
Peak Area (A-S): 0.001
Time: 10:47
Blank Corrected PK Area (A-S): 0.006
Background PK Height (A): 0.006
Peak Height (A): 0.005
Concentration (ug/L): 0.43

Se ID: CCV

Seq. No.: 00030 A/S Pos.: 30 Date: 05/15/92

Replicate 1
Background PK Height (A): 0.210
Peak Area (A-S): 0.165
Time: 10:41
Blank Corrected PK Area (A-S): 0.166
Background PK Height (A): 0.166
Peak Height (A): 0.165
Concentration (ug/L): 48.01

Replicate 2
Background PK Height (A): 0.222
Peak Area (A-S): 0.165
Time: 10:43
Blank Corrected PK Area (A-S): 0.166
Background PK Height (A): 0.166
Peak Height (A): 0.165
Concentration (ug/L): 48.06

Se ID: CC8

Seq. No.: 00031 A/S Pos.: 31 Date: 05/15/92

Replicate 1
Background PK Height (A): 0.006
Peak Area (A-S): 0.002
Time: 10:45
Blank Corrected PK Area (A-S): 0.003
Background PK Height (A): 0.007
Peak Height (A): 0.006
Concentration (ug/L): 0.86

Replicate 2
Background PK Height (A): 0.005
Peak Area (A-S): 0.001
Time: 10:47
Blank Corrected PK Area (A-S): 0.006
Background PK Height (A): 0.006
Peak Height (A): 0.005
Concentration (ug/L): 0.43

Se ID: MYH783A

Seq. No.: 00029 A/S Pos.: 29 Date: 05/15/92

Replicate 1
Background PK Height (A): 0.048
Peak Area (A-S): 0.033
Time: 10:37
Blank Corrected PK Area (A-S): 0.017
Background PK Height (A): 0.017
Peak Height (A): 0.033
Corrected Conc (ug/L): 10.60
Concentration (ug/L): 9.54

Replicate 2
Background PK Height (A): 0.048
Peak Area (A-S): 0.033
Time: 10:39
Blank Corrected PK Area (A-S): 0.017
Background PK Height (A): 0.017
Peak Height (A): 0.033
Corrected Conc (ug/L): 10.62
Concentration (ug/L): 9.56

Se ID: MYH783A

Seq. No.: 00029 A/S Pos.: 29 Date: 05/15/92

Replicate 1
Background PK Height (A): 0.048
Peak Area (A-S): 0.033
Time: 10:37
Blank Corrected PK Area (A-S): 0.017
Background PK Height (A): 0.017
Peak Height (A): 0.033
Corrected Conc (ug/L): 10.60
Concentration (ug/L): 9.54

Replicate 2
Background PK Height (A): 0.048
Peak Area (A-S): 0.033
Time: 10:39
Blank Corrected PK Area (A-S): 0.017
Background PK Height (A): 0.017
Peak Height (A): 0.033
Corrected Conc (ug/L): 10.62
Concentration (ug/L): 9.56

Mean Conc (ug/L): 0.65 SD: 0.301 RSD(%): 46.65

11

Se ID: MYH794 Seq. No.: 00032 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 10:49
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.47 Corrected Conc (ug/L): -0.52

Replicate 2 Time: 10:51
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.40 Corrected Conc (ug/L): -0.45

Mean Conc (ug/L): -0.43 SD: 0.044 RSD(%): 10.20
Corrected Conc (ug/L): -0.48

Se ID: MYH794A Seq. No.: 00033 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 10:53
Peak Area (A-s): 0.033 Peak Height (A): 0.042
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.033

DATACHEM LABORATORIES — GFAA ANALYSIS

Concentration (ug/L): 9.62 Corrected Conc (ug/L): 10.69

Replicate 2 Time: 10:55
Peak Area (A-s): 0.032 Peak Height (A): 0.041
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 9.24 Corrected Conc (ug/L): 10.27

Mean Conc (ug/L): 9.43 SD: 0.266 RSD(%): 2.82
Corrected Conc (ug/L): 10.48

Se ID: MYH795 Seq. No.: 00034 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 10:57
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.09 Corrected Conc (ug/L): -0.10

Replicate 2 Time: 11:00
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.27 Corrected Conc (ug/L): -0.30

Mean Conc (ug/L): -0.18 SD: 0.132 RSD(%): 73.75
Corrected Conc (ug/L): -0.20

Se ID: MYH795A Seq. No.: 00035 A/S Pos.: 9 Date: 05/15/92

301

12

Replicate 1 Time: 11:02
Peak Area (A-s): 0.034 Peak Height (A): 0.053
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 9.89 Corrected Conc (ug/L): 10.98

Replicate 2 Time: 11:04
Peak Area (A-s): 0.033 Peak Height (A): 0.061
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 9.73 Corrected Conc (ug/L): 10.81

Mean Conc (ug/L): 9.81 SD: 0.112 RSD(%): 1.14
Corrected Conc (ug/L): 10.90

Se ID: CCV 4 Seq. No.: 00036 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 11:06
Peak Area (A-s): 0.160 Peak Height (A): 0.198
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 46.42

Replicate 2 Time: 11:09
Peak Area (A-s): 0.166 Peak Height (A): 0.212
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.063

Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 48.15

Mean Conc (ug/L): 47.28 SD: 1.228 RSD(%): 2.60

Se ID: CCB 4 Seq. No.: 00037 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 11:11
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.86

Replicate 2 Time: 11:13
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.13

Mean Conc (ug/L): 0.36 SD: 0.702 RSD(%): 192.67

Se ID: SO Seq. No.: 00038 A/S Pos.: 1 Date: 05/15/92

Replicate 1 Time: 11:15
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.40

Replicate 2 Time: 11:17

DATACHEM LABORATORIES - GFAA ANALYSIS

Data not used. Response
was performed. 302

AA2 05/15/92

Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.12

13

Mean Conc (ug/L): 0.14 SD: 0.369 RSD(%): 266.14

Auto-zero performed.

Se ID: Reslope Seq. No.: 00039 A/S Pos.: 37 Date: 05/15/92

Replicate 1 Time: 11:19
Peak Area (A-s): 0.158 Peak Height (A): 0.209
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 45.76

Replicate 2 Time: 11:21
Peak Area (A-s): 0.163 Peak Height (A): 0.205
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 47.22

Mean Conc (ug/L): 46.49 SD: 1.031 RSD(%): 2.22

Reslope standard applied. [50.00]

Data not used - Reslope

way performed.

AAZ
05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Correlation coefficient: 0.99915 Slope: 0.0035

Se ID: CCV 5 Seq. No.: 00040 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 11:23
Peak Area (A-s): 0.164 Peak Height (A): 0.205
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 51.06

Replicate 2 Time: 11:25
Peak Area (A-s): 0.162 Peak Height (A): 0.207
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 50.62

Mean Conc (ug/L): 50.84 SD: 0.306 RSD(%): 0.60

Se ID: CCB 5 Seq. No.: 00041 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 11:27
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.64

Replicate 2 Time: 11:29
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001

303

Concentration (ug/L): 0.29

Mean Conc (ug/L): 0.47 SD: 0.244 RSD(%): 52.27

14

Se ID: PBW(MERA01) Seq. No.: 00042 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 11:32
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.19 Corrected Conc (ug/L): -0.22

Replicate 2 Time: 11:34
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.66 Corrected Conc (ug/L): -0.74

Mean Conc (ug/L): -0.43 SD: 0.331 RSD(%): 77.12
Corrected Conc (ug/L): -0.48

Se ID: PBWA Seq. No.: 00043 A/S Pos.: 7 Date: 05/15/92

Replicate 1 Time: 11:36
Peak Area (A-s): 0.033 Peak Height (A): 0.046

Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 10.09 Corrected Conc (ug/L): 11.21

Replicate 2 Time: 11:38
Peak Area (A-s): 0.031 Peak Height (A): 0.046
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 9.65 Corrected Conc (ug/L): 10.73

Mean Conc (ug/L): 9.87 SD: 0.309 RSD(%): 3.13
Corrected Conc (ug/L): 10.97

Se ID: LGSW Seq. No.: 00044 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 11:40
Peak Area (A-s): 0.140 Peak Height (A): 0.189
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.140
Concentration (ug/L): 43.58 Corrected Conc (ug/L): 48.42

Replicate 2 Time: 11:42
Peak Area (A-s): 0.142 Peak Height (A): 0.186
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.142
Concentration (ug/L): 44.22 Corrected Conc (ug/L): 49.13

Mean Conc (ug/L): 43.90 SD: 0.450 RSD(%): 1.03
Corrected Conc (ug/L): 48.78

DATACHEM LABORATORIES - GFAA ANALYSIS

304

Se ID: LCSWA Seq. No.: 00045 A/S Pos.: 9 Date: 05/15/92

Replicate 1 Time: 11:44
Peak Area (A-s): 0.170 Peak Height (A): 0.225
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.170
Concentration (ug/L): 52.83 Corrected Conc (ug/L): 58.70

Replicate 2 Time: 11:46
Peak Area (A-s): 0.170 Peak Height (A): 0.217
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.170
Concentration (ug/L): 52.83 Corrected Conc (ug/L): 58.70

Mean Conc (ug/L): 52.83 SD: 0.004 RSD(%): 0.01
Corrected Conc (ug/L): 58.70

Se ID: MERA26 Seq. No.: 00046 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 11:48
Peak Area (A-s): 0.046 Peak Height (A): 0.056
Background Pk Area (A-s): 0.168 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 14.29 Corrected Conc (ug/L): 15.88

Replicate 2 Time: 11:50

Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.92 Corrected Conc (ug/L): 1.02
Mean Conc (ug/L): 7.60 SD: 9.458 RSD(%): 124.38
Corrected Conc (ug/L): 8.44

Se ID: MERA26A Seq. No.: 00047 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 11:53
Peak Area (A-s): 0.021 Peak Height (A): 0.012
Background Pk Area (A-s): 0.176 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.62 Corrected Conc (ug/L): 7.35

Replicate 2 Time: 11:55
Peak Area (A-s): 0.022 Peak Height (A): 0.013
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 6.69 Corrected Conc (ug/L): 7.43

Mean Conc (ug/L): 6.65 SD: 0.054 RSD(%): 0.81
Corrected Conc (ug/L): 7.39

Se ID: MERA26D Seq. No.: 00048 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 11:57
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.185 Background Pk Height (A): 0.074

DATA CHEM LABORATORIES - GFAA ANALYSIS

Data not used
High RSD. Rerun
AA2 05/15/92

O.K.
AA2 05/15/92

305

Blank Corrected Pk Area (A-s): -0.002

Concentration (ug/L): -0.47

Corrected Conc (ug/L): -0.53

16

Replicate 2

Time: 11:59

Peak Area (A-s): -0.000

Peak Height (A): 0.005

Background Pk Area (A-s): 0.180

Background Pk Height (A): 0.074

Blank Corrected Pk Area (A-s): -0.000

Concentration (ug/L): -0.02

Corrected Conc (ug/L): -0.03

Mean Conc (ug/L): -0.25

SD: 0.319

RSD(%): 128.43

Corrected Conc (ug/L): -0.28

Se ID: MERA26DA

Seq. No.: 00049

A/S Pos.: 13

Date: 05/15/92

Replicate 1

Time: 12:01

Peak Area (A-s): 0.022

Peak Height (A): 0.012

Background Pk Area (A-s): 0.189

Background Pk Height (A): 0.077

Blank Corrected Pk Area (A-s): 0.022

Concentration (ug/L): 6.79

Corrected Conc (ug/L): 7.55

Replicate 2

Time: 12:03

Peak Area (A-s): 0.020

Peak Height (A): 0.012

Background Pk Area (A-s): 0.188

Background Pk Height (A): 0.075

Blank Corrected Pk Area (A-s): 0.020

Concentration (ug/L): 6.08

Corrected Conc (ug/L): 6.75

Mean Conc (ug/L): 6.43

SD: 0.507

RSD(%): 7.88

Corrected Conc (ug/L): 7.15

Se ID: MERA26S

Seq. No.: 00050

A/S Pos.: 14

Date: 05/15/92

Replicate 1

Time: 12:05

Peak Area (A-s): 0.021

Peak Height (A): 0.012

Background Pk Area (A-s): 0.195

Background Pk Height (A): 0.078

Blank Corrected Pk Area (A-s): 0.021

Concentration (ug/L): 6.62

Corrected Conc (ug/L): 7.35

Replicate 2

Time: 12:07

Peak Area (A-s): 0.022

Peak Height (A): 0.013

Background Pk Area (A-s): 0.188

Background Pk Height (A): 0.076

Blank Corrected Pk Area (A-s): 0.022

Concentration (ug/L): 6.89

Corrected Conc (ug/L): 7.66

Mean Conc (ug/L): 6.75

SD: 0.197

RSD(%): 2.91

Corrected Conc (ug/L): 7.50

Se ID: CCV 6

Seq. No.: 00051

A/S Pos.: 15

Date: 05/15/92

Replicate 1

Time: 12:09

Peak Area (A-s): 0.171

Peak Height (A): 0.227

Background Pk Area (A-s): 0.059

Background Pk Height (A): 0.067

Blank Corrected Pk Area (A-s): 0.171

Concentration (ug/L): 53.16

Replicate 2

Time: 12:11

Peak Area (A-s): 0.170

Peak Height (A): 0.221

DATACHEM LABORATORIES — GFAA ANALYSIS

306

Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.170
Concentration (ug/L): 53.07

17

Mean Conc (ug/L): 53.12 SD: 0.064 RSD(%): 0.12

Se ID: CCB₆ Seq. No.: 00052 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 12:13
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.43

Replicate 2 Time: 12:15
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.23

Mean Conc (ug/L): -0.33 SD: 0.143 RSD(%): 43.56

Se ID: MERA27 Seq. No.: 00053 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 13:05

DATA CHEM LABORATORIES — GFAA ANALYSIS

DATA CHEM LABORATORIES — GFAA ANALYSIS

Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.195 Background Pk Height (A): 0.181
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.30 Corrected Conc (ug/L): -0.33

Replicate 2 Time: 13:07
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.198 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.32 Corrected Conc (ug/L): -0.35

Mean Conc (ug/L): -0.31 SD: 0.017 RSD(%): 5.48
Corrected Conc (ug/L): -0.34

Se ID: MERA27A Seq. No.: 00054 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 13:09
Peak Area (A-s): 0.018 Peak Height (A): 0.011
Background Pk Area (A-s): 0.217 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.45 Corrected Conc (ug/L): 6.06

Replicate 2 Time: 13:11
Peak Area (A-s): 0.018 Peak Height (A): 0.012
Background Pk Area (A-s): 0.214 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.52 Corrected Conc (ug/L): 6.14

Mean Conc (ug/L): 5.49 SD: 0.050 RSD(%): 0.91
Corrected Conc (ug/L): 6.10

307

Se ID: MERA28 Seq. No.: 00055 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 13:13
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.38 Corrected Conc (ug/L): -0.42

Replicate 2 Time: 13:15
Peak Area (A-s): -0.002 Peak Height (A): 0.003
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.61 Corrected Conc (ug/L): -0.68

Mean Conc (ug/L): -0.49 SD: 0.165 RSD(%): 33.53
Corrected Conc (ug/L): -0.55

Se ID: MERA28A Seq. No.: 00056 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 13:17
Peak Area (A-s): 0.034 Peak Height (A): 0.046
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 10.47 Corrected Conc (ug/L): 11.64

Replicate 2 Time: 13:19
Peak Area (A-s): 0.034 Peak Height (A): 0.047
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 10.61 Corrected Conc (ug/L): 11.78

Mean Conc (ug/L): 10.54 SD: 0.093 RSD(%): 0.89
Corrected Conc (ug/L): 11.71

Se ID: MERA26 Seq. No.: 00057 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 13:21
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.091
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.12 Corrected Conc (ug/L): -0.13

Replicate 2 Time: 13:23
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.094
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.40 Corrected Conc (ug/L): -0.44

Mean Conc (ug/L): -0.26 SD: 0.200 RSD(%): 77.68
Corrected Conc (ug/L): -0.29

Se ID: MERA26A Seq. No.: 00058 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 13:25
Peak Area (A-s): 0.017 Peak Height (A): 0.011
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.017 Corrected Conc (ug/L): -0.017

DATACHEM LABORATORIES — GFAA ANALYSIS

308

Background Pk Area (A-s): 0.017
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.39

Background Pk Height (A): 0.002
Corrected Conc (ug/L): 5.99

Replicate 2 Time: 13:28
Peak Area (A-s): 0.017 Peak Height (A): 0.011
Background Pk Area (A-s): 0.222 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.20 Corrected Conc (ug/L): 5.77

Mean Conc (ug/L): 5.29 SD: 0.139 RSD(%): 2.62
Corrected Conc (ug/L): 5.88

Se ID: CCV₇ Seq. No.: 00059 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 13:30
Peak Area (A-s): 0.168 Peak Height (A): 0.179
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.168
Concentration (ug/L): 52.36

Replicate 2 Time: 13:32
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.27

Mean Conc (ug/L): 25.98 SD: 37.210 RSD(%): 142.86

Se ID: CCV₇ Seq. No.: 00061 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 13:34
Peak Area (A-s): 0.161 Peak Height (A): 0.165
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 50.12

Replicate 2 Time: 13:36
Peak Area (A-s): 0.163 Peak Height (A): 0.170
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 50.87

Mean Conc (ug/L): 50.50 SD: 0.529 RSD(%): 1.05

Se ID: CCB₇ Seq. No.: 00062 A/S Pos.: 22 Date: 05/15/92

Replicate 1 Time: 13:38
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.31

Replicate 2 Time: 13:40
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.22

RSD > 20% -
Data not used.
problem with injection.

AA2
05/15/92

DATACHEM LABORATORIES — GFAA ANALYSIS

Mean Conc (ug/L): -0.27 SD: 0.059

RSD(%): 21.82

20

DATAChem LABORATORIES – GFAA ANALYSIS

310

Element File: AA2SE.GEL Element: Se Wavelength: 196.0
Date: 05/18/92 Time: 09:19 Slit: 0.70 L
Data File: MERA01S2.DAT ID/Wt File: MERA01S2.IDW Lamp Current: 0
Technique: HGA Calib. Type: Nonlinear Energy: 66

DATAChem LABORATORIES - GFAA ANALYSIS

Se ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/18/92

Replicate 1 Time: 09:19
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.000

Replicate 2 Time: 09:20
Peak Area (A-s): -0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.003

Mean Pk Area (A-s): -0.002 SD: 0.0020 RSD(%): 129.81

Auto-zero performed.

Se ID: S5 Seq. No.: 00002 A/S Pos.: 2 Date: 05/18/92

Replicate 1 Time: 09:22
Peak Area (A-s): 0.016 Peak Height (A): 0.018
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.017

Replicate 2 Time: 09:24
Peak Area (A-s): 0.015 Peak Height (A): 0.018
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.016

Mean Pk Area (A-s): 0.017 SD: 0.0006 RSD(%): 3.48

Standard number 1 applied. [5.00]
Correlation coefficient: 1.00000 Slope: 0.0034

Se ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/18/92

Replicate 1 Time: 09:26
Peak Area (A-s): 0.063 Peak Height (A): 0.057
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 18.95

Replicate 2 Time: 09:28
Peak Area (A-s): 0.065 Peak Height (A): 0.059
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 19.65

Mean Conc (ug/L): 19.30 SD: 0.496 RSD(%): 2.57

Standard number 2 applied. [20.00]

Se
Anna Skrami
AAS - ZEC
05/18/92

Sponsor: USEPA

Acct #: 3533

Set ID: SF-1144

Data Chem Sample #: CLP10168-78

SD G #: MERA01

Case #: 19026

Matrix: H₂O / soil

Correlation coefficient: 1.00000

Slope: 0.0034

Se ID: S50

Seq. No.: 00004

A/S Pos.: 4

Date: 05/18/92

Replicate 1

Time: 09:31

Peak Area (A-s): 0.160

Peak Height (A): 0.140

Background Pk Area (A-s): 0.054

Background Pk Height (A): 0.043

Blank Corrected Pk Area (A-s): 0.161

Concentration (ug/L): 53.24

Replicate 2

Time: 09:33

Peak Area (A-s): 0.159

Peak Height (A): 0.140

Background Pk Area (A-s): 0.055

Background Pk Height (A): 0.043

Blank Corrected Pk Area (A-s): 0.160

Concentration (ug/L): 52.89

Mean Conc (ug/L): 53.06

SD: 0.250

RSD(%): 0.47

Standard number 3 applied. [50.00]

Correlation coefficient: 1.00000

Slope: 0.0036

Se ID: S100

Seq. No.: 00005

A/S Pos.: 5

Date: 05/18/92

Replicate 1

Time: 09:35

Peak Area (A-s): 0.309

Peak Height (A): 0.263

Background Pk Area (A-s): 0.096

Background Pk Height (A): 0.078

Blank Corrected Pk Area (A-s): 0.311

Concentration (ug/L): 97.16

Replicate 2

Time: 09:37

Peak Area (A-s): 0.310

Peak Height (A): 0.263

Background Pk Area (A-s): 0.097

Background Pk Height (A): 0.078

Blank Corrected Pk Area (A-s): 0.312

Concentration (ug/L): 97.50

Mean Conc (ug/L): 97.33

SD: 0.239

RSD(%): 0.25

Standard number 4 applied. [100.00]

Correlation coefficient: 0.99999

Slope: 0.0034

Se ID: IGV²

Seq. No.: 00006

A/S Pos.: 6

Date: 05/18/92

Replicate 1

Time: 09:39

Peak Area (A-s): 0.167

Peak Height (A): 0.142

Background Pk Area (A-s): 0.055

Background Pk Height (A): 0.044

Blank Corrected Pk Area (A-s): 0.168

Concentration (ug/L): 52.65

Replicate 2

Time: 09:41

Peak Area (A-s): 0.165

Peak Height (A): 0.141

Background Pk Area (A-s): 0.057

Background Pk Height (A): 0.044

Blank Corrected Pk Area (A-s): 0.166

Concentration (ug/L): 51.99

Mean Conc (ug/L): 52.32

SD: 0.471

RSD(%): 0.90

DATACHEM LABORATORIES - GFAA ANALYSIS

2

312

Se ID: ICB 2 Seq. No.: 00007 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 09:44
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.91

Replicate 2 Time: 09:46
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.59

Mean Conc (ug/L): 0.75 SD: 0.225 RSD(%): 30.06

Se ID: CCV 58 PAZ 5/18/92 Seq. No.: 00008 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 09:48
Peak Area (A-s): 0.161 Peak Height (A): 0.136
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 50.57

Replicate 2 Time: 09:50
Peak Area (A-s): 0.163 Peak Height (A): 0.138
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 51.34

Mean Conc (ug/L): 50.95 SD: 0.541 RSD(%): 1.06

Se ID: CCB 58 PAZ 5/18/92 Seq. No.: 00009 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 09:52
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.85

Replicate 2 Time: 09:54
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.81

Mean Conc (ug/L): 0.83 SD: 0.031 RSD(%): 3.71

Se ID: CRA 2 Seq. No.: 00010 A/S Pos.: 10 Date: 05/18/92

Replicate 1 Time: 09:56
Peak Area (A-s): 0.017 Peak Height (A): 0.017
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.38

3

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2

Peak Area (A-s): 0.019

Background Pk Area (A-s): 0.014

Blank Corrected Pk Area (A-s): 0.020

Concentration (ug/L): 5.94

Time: 09:58

Peak Height (A): 0.017

Background Pk Height (A): 0.010

Mean Conc (ug/L): 5.66

SD: 0.395

RSD(%): 6.98

Se ID: PBS(MERA01)

Seq. No.: 00011 A/S Pos.: 11

Date: 05/18/92

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 1

Peak Area (A-s): 0.000

Background Pk Area (A-s): 0.005

Blank Corrected Pk Area (A-s): 0.002

Concentration (ug/L): 0.46

Time: 10:00

Peak Height (A): 0.005

Background Pk Height (A): 0.005

Corrected Conc (ug/L): 0.46

Replicate 2

Peak Area (A-s): -0.002

Background Pk Area (A-s): 0.006

Blank Corrected Pk Area (A-s): -0.001

Concentration (ug/L): -0.21

Time: 10:02

Peak Height (A): 0.005

Background Pk Height (A): 0.006

Corrected Conc (ug/L): -0.21

Mean Conc (ug/L): 0.13

SD: 0.473

RSD(%): 372.63

Corrected Conc (ug/L): 0.13

Se ID: PBSA

Seq. No.: 00012 A/S Pos.: 12

Date: 05/18/92

Replicate 1

Peak Area (A-s): 0.035

Background Pk Area (A-s): 0.014

Blank Corrected Pk Area (A-s): 0.037

Concentration (ug/L): 11.01

Time: 10:05

Peak Height (A): 0.033

Background Pk Height (A): 0.012

Corrected Conc (ug/L): 11.01

Replicate 2

Peak Area (A-s): 0.034

Background Pk Area (A-s): 0.015

Blank Corrected Pk Area (A-s): 0.035

Concentration (ug/L): 10.52

Time: 10:07

Peak Height (A): 0.032

Background Pk Height (A): 0.012

Corrected Conc (ug/L): 10.52

Mean Conc (ug/L): 10.77

SD: 0.350

RSD(%): 3.25

Corrected Conc (ug/L): 10.77

Se ID: LCSS-5X

Seq. No.: 00013 A/S Pos.: 13

Date: 05/18/92

Replicate 1

Peak Area (A-s): 0.118

Background Pk Area (A-s): 0.112

Blank Corrected Pk Area (A-s): 0.119

Concentration (ug/L): 36.69

Time: 10:09

Peak Height (A): 0.110

Background Pk Height (A): 0.052

Corrected Conc (ug/L): 183.5

Replicate 2

Peak Area (A-s): 0.116

Background Pk Area (A-s): 0.115

Blank Corrected Pk Area (A-s): 0.118

Concentration (ug/L): 36.25

Time: 10:11

Peak Height (A): 0.109

Background Pk Height (A): 0.054

Corrected Conc (ug/L): 181.3

Mean Conc (ug/L): 36.47 SD: 0.309 RSD(%): 0.85
Corrected Conc (ug/L): 182.4

Se ID: LCSSA-5X Seq. No.: 00014 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 10:13
Peak Area (A-s): 0.133 Peak Height (A): 0.126
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 41.66 Corrected Conc (ug/L): 208.3

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 10:15
Peak Area (A-s): 0.135 Peak Height (A): 0.124
Background Pk Area (A-s): 0.122 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 42.42 Corrected Conc (ug/L): 212.1

Mean Conc (ug/L): 42.04 SD: 0.539 RSD(%): 1.28
Corrected Conc (ug/L): 210.2

Se ID: HERAO1 Seq. No.: 00015 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 10:17
Peak Area (A-s): 0.018 Peak Height (A): 0.022
Background Pk Area (A-s): 0.608 Background Pk Height (A): 0.261
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 5.65 Corrected Conc (ug/L): 5.65

Replicate 2 Time: 10:19
Peak Area (A-s): 0.018 Peak Height (A): 0.022
Background Pk Area (A-s): 0.620 Background Pk Height (A): 0.267
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 5.91 Corrected Conc (ug/L): 5.91

Mean Conc (ug/L): 5.78 SD: 0.184 RSD(%): 3.18
Corrected Conc (ug/L): 5.78

Se ID: HERAO1A Seq. No.: 00016 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 10:21
Peak Area (A-s): 0.032 Peak Height (A): 0.036
Background Pk Area (A-s): 0.637 Background Pk Height (A): 0.292
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 10.03 Corrected Conc (ug/L): 10.03

Replicate 2 Time: 10:23
Peak Area (A-s): 0.031 Peak Height (A): 0.037
Background Pk Area (A-s): 0.632 Background Pk Height (A): 0.281
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 9.61 Corrected Conc (ug/L): 9.61

Mean Conc (ug/L): 9.82 SD: 0.296 RSD(%): 3.01
Corrected Conc (ug/L): 9.82

MSA

Se ID: MERA02 Seq. No.: 00017 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 10:25
 Peak Area (A-s): 0.007 Peak Height (A): 0.010
 Background Pk Area (A-s): 0.333 Background Pk Height (A): 0.145
 Blank Corrected Pk Area (A-s): 0.008
 Concentration (ug/L): 2.37 Corrected Conc (ug/L): 2.37

Replicate 2 Time: 10:27
 Peak Area (A-s): 0.006 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.299 Background Pk Height (A): 0.139
 Blank Corrected Pk Area (A-s): 0.008
 Concentration (ug/L): 2.28 Corrected Conc (ug/L): 2.28

Mean Conc (ug/L): 2.32 SD: 0.070 RSD(%): 2.99
 Corrected Conc (ug/L): 2.32

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: MERA02A Seq. No.: 00018 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 10:29
 Peak Area (A-s): 0.017 Peak Height (A): 0.019
 Background Pk Area (A-s): 0.309 Background Pk Height (A): 0.135
 Blank Corrected Pk Area (A-s): 0.018
 Concentration (ug/L): 5.36 Corrected Conc (ug/L): 5.36

Replicate 2 Time: 10:31
 Peak Area (A-s): 0.017 Peak Height (A): 0.018
 Background Pk Area (A-s): 0.311 Background Pk Height (A): 0.137
 Blank Corrected Pk Area (A-s): 0.019
 Concentration (ug/L): 5.59 Corrected Conc (ug/L): 5.59

Mean Conc (ug/L): 5.48 SD: 0.159 RSD(%): 2.90
 Corrected Conc (ug/L): 5.48

Se ID: CCV ~~60~~ ^{AP2} ~~05/18/92~~ Seq. No.: 00019 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 10:33
 Peak Area (A-s): 0.162 Peak Height (A): 0.146
 Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.042
 Blank Corrected Pk Area (A-s): 0.163
 Concentration (ug/L): 50.93

Replicate 2 Time: 10:35
 Peak Area (A-s): 0.160 Peak Height (A): 0.143
 Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.042
 Blank Corrected Pk Area (A-s): 0.161
 Concentration (ug/L): 50.26

Mean Conc (ug/L): 50.59 SD: 0.474 RSD(%): 0.94

Se ID: CCB ~~60~~ ^{AP2} ~~05/18/92~~ Seq. No.: 00020 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 10:37
 Peak Area (A-s): 0.000 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.012

Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.50

Replicate 2 Time: 10:39
Peak Area (A-s): -0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.05

4

DATACHEM LABORATORIES – GFAA ANALYSIS

Mean Conc (ug/L): 0.23 SD: 0.392 RSD(%): 173.19

Se ID: MERA02D Seq. No.: 00021 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 10:41
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 1.98 Corrected Conc (ug/L): 1.98

Replicate 2 Time: 10:43
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): 0.187 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.23 Corrected Conc (ug/L): 1.23

Mean Conc (ug/L): 1.60 SD: 0.526 RSD(%): 32.83
Corrected Conc (ug/L): 1.60

Se ID: MERA02DA Seq. No.: 00022 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 10:45
Peak Area (A-s): 0.021 Peak Height (A): 0.025
Background Pk Area (A-s): 0.191 Background Pk Height (A): 0.082
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 6.80 Corrected Conc (ug/L): 6.80

Replicate 2 Time: 10:47
Peak Area (A-s): 0.022 Peak Height (A): 0.025
Background Pk Area (A-s): 0.190 Background Pk Height (A): 0.082
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.10 Corrected Conc (ug/L): 7.10

Mean Conc (ug/L): 6.95 SD: 0.212 RSD(%): 3.05
Corrected Conc (ug/L): 6.95

Se ID: MERA02S Seq. No.: 00023 A/S Pos.: 23 Date: 05/18/92

Replicate 1 Time: 10:49
Peak Area (A-S): 0.018 Peak Height (A): 0.021
Background Pk Area (A-s): 0.214 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 5.82 Corrected Conc (ug/L): 5.82

Replicate 2 Time: 10:51
Peak Area (A-s): 0.020 Peak Height (A): 0.021
Background Pk Area (A-s): 0.212 Background Pk Height (A): 0.088

Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.34 Corrected Conc (ug/L): 6.34

Mean Conc (ug/L): 6.08 SD: 0.373 RSD(%): 6.14
Corrected Conc (ug/L): 6.08

Se ID: MERA03 Seq. No.: 00024 A/S Pos.: 24 Date: 05/18/92

Replicate 1 Time: 10:53
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.207 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 1.96 Corrected Conc (ug/L): 1.96

Replicate 2 Time: 10:55
Peak Area (A-s): 0.007 Peak Height (A): 0.012
Background Pk Area (A-s): 0.210 Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 2.60 Corrected Conc (ug/L): 2.60

Mean Conc (ug/L): 2.28 SD: 0.451 RSD(%): 19.80
Corrected Conc (ug/L): 2.28

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: MERA03A Seq. No.: 00025 A/S Pos.: 25 Date: 05/18/92

Replicate 1 Time: 10:57
Peak Area (A-s): 0.022 Peak Height (A): 0.020
Background Pk Area (A-s): 0.213 Background Pk Height (A): 0.105
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 6.86 Corrected Conc (ug/L): 6.86

Replicate 2 Time: 10:59
Peak Area (A-s): 0.022 Peak Height (A): 0.019
Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.101
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.08 Corrected Conc (ug/L): 7.08

Mean Conc (ug/L): 6.97 SD: 0.155 RSD(%): 2.23
Corrected Conc (ug/L): 6.97

Se ID: MERA04 Seq. No.: 00026 A/S Pos.: 26 Date: 05/18/92

Replicate 1 Time: 11:01
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.130 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.11 Corrected Conc (ug/L): 0.11

Replicate 2 Time: 11:03
Peak Area (A-s): -0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.135 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.45 Corrected Conc (ug/L): -0.45

Mean Conc (ug/L): -0.17 SD: 0.401 RSD(%): 235.14
Corrected Conc (ug/L): -0.17

Se ID: MERA04A Seq. No.: 00027 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 11:06
 Peak Area (A-s): 0.021 Peak Height (A): 0.032
 Background Pk Area (A-s): 0.138 Background Pk Height (A): 0.056
 Blank Corrected Pk Area (A-s): 0.022
 Concentration (ug/L): 6.55 Corrected Conc (ug/L): 6.55

Replicate 2 Time: 11:08
 Peak Area (A-s): 0.022 Peak Height (A): 0.031
 Background Pk Area (A-s): 0.134 Background Pk Height (A): 0.054
 Blank Corrected Pk Area (A-s): 0.023
 Concentration (ug/L): 6.84 Corrected Conc (ug/L): 6.84

Mean Conc (ug/L): 6.69 SD: 0.205 RSD(%): 3.06
 Corrected Conc (ug/L): 6.69

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: MERA05 Seq. No.: 00028 A/S Pos.: 28 Date: 05/18/92

Replicate 1 Time: 11:10
 Peak Area (A-s): -0.002 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.060
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.33 Corrected Conc (ug/L): -0.33

Replicate 2 Time: 11:12
 Peak Area (A-s): -0.003 Peak Height (A): 0.003
 Background Pk Area (A-s): 0.187 Background Pk Height (A): 0.115
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.53 Corrected Conc (ug/L): -0.53

Mean Conc (ug/L): -0.43 SD: 0.145 RSD(%): 33.67
 Corrected Conc (ug/L): -0.43

Se ID: MERA05A Seq. No.: 00029 A/S Pos.: 29 Date: 05/18/92

Replicate 1 Time: 11:14
 Peak Area (A-s): 0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.073
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.61 Corrected Conc (ug/L): 0.61

Replicate 2 Time: 11:16
 Peak Area (A-s): 0.002 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.165 Background Pk Height (A): 0.072
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.85 Corrected Conc (ug/L): 0.85

Mean Conc (ug/L): 0.73 SD: 0.166 RSD(%): 22.67
 Corrected Conc (ug/L): 0.73

Se ID: CCV *#10* Seq. No.: 00030 A/S Pos.: 30 Date: 05/18/92 *PAZ 05/18/92*

Replicate 1 Time: 11:18
 Peak Area (A-s): 0.142 Peak Height (A): 0.170

Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.054
 Blank Corrected Pk Area (A-s): 0.143
 Concentration (ug/L): 44.57

Replicate 2 Time: 11:20
 Peak Area (A-s): 0.153 Peak Height (A): 0.151
 Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.046
 Blank Corrected Pk Area (A-s): 0.155
 Concentration (ug/L): 48.15

Mean Conc (ug/L): 46.36 SD: 2.535 RSD(%): 5.47

Se ID: CCB ~~7/10 AP2~~ Seq. No.: 00032 A/S Pos.: 31 Date: 05/18/92

Replicate 1 Time: 11:24
 Peak Area (A-s): 0.016 Peak Height (A): 0.017
 Background Pk Area (A-s): 0.184 Background Pk Height (A): 0.176
 Blank Corrected Pk Area (A-s): 0.017
 Concentration (ug/L): 5.03

Se ID: CCB ~~7/10 AP2~~ Seq. No.: 00033 A/S Pos.: 31 Date: 05/18/92

Replicate 1 Time: 11:27
 Peak Area (A-s): 0.006 Peak Height (A): 0.024
 Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.249
 Blank Corrected Pk Area (A-s): 0.007
 Concentration (ug/L): 2.12

Se ID: MERA06 Seq. No.: 00034 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 11:43
 Peak Area (A-s): -0.004 Peak Height (A): 0.003
 Background Pk Area (A-s): 0.187 Background Pk Height (A): 0.090
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.72 Corrected Conc (ug/L): -0.72

Replicate 2 Time: 11:45
 Peak Area (A-s): -0.003 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.216 Background Pk Height (A): 0.110
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.56 Corrected Conc (ug/L): -0.56

Mean Conc (ug/L): -0.64 SD: 0.111 RSD(%): 17.23
 Corrected Conc (ug/L): -0.64

Se ID: MERA06A Seq. No.: 00035 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 11:47
 Peak Area (A-s): 0.001 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.222 Background Pk Height (A): 0.114
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.74 Corrected Conc (ug/L): 0.74

Replicate 2 Time: 11:49
 Peak Area (A-s): 0.004 Peak Height (A): 0.007

DATACHEM LABORATORIES - GFAA ANALYSIS

MEAN = 3.575

SD = 2.0577

RSD% = 57.56

Background Pk Area (A-s): 0.221 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.47 Corrected Conc (ug/L): 1.47

Mean Conc (ug/L): 1.10 SD: 0.516 RSD(%): 46.73
Corrected Conc (ug/L): 1.10

Se ID: MERA07 Seq. No.: 00036 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 11:51
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.246 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.28 Corrected Conc (ug/L): -0.28

Replicate 2 Time: 11:53
Peak Area (A-s): -0.004 Peak Height (A): 0.004
Background Pk Area (A-s): 0.245 Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.69 Corrected Conc (ug/L): -0.69

Mean Conc (ug/L): -0.49 SD: 0.294 RSD(%): 60.43
Corrected Conc (ug/L): -0.49

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: MERA07A Seq. No.: 00037 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 11:55
Peak Area (A-s): 0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.230 Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.23 Corrected Conc (ug/L): 1.23

Replicate 2 Time: 11:57
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): 0.233 Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.54 Corrected Conc (ug/L): 1.54

Mean Conc (ug/L): 1.38 SD: 0.222 RSD(%): 16.00
Corrected Conc (ug/L): 1.38

Se ID: MERA08 Seq. No.: 00038 A/S Pos.: 10 Date: 05/18/92

Replicate 1 Time: 11:59
Peak Area (A-s): -0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.334 Background Pk Height (A): 0.176
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.16 Corrected Conc (ug/L): -0.16

Replicate 2 Time: 12:02
Peak Area (A-s): -0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.329 Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.47 Corrected Conc (ug/L): -0.47

Mean Conc (ug/L): -0.32 SD: 0.223 RSD(%): 70.79

Corrected Conc (ug/L): -0.32

Se ID: MERA08A Seq. No.: 00039 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 12:04
Peak Area (A-s): 0.007 Peak Height (A): 0.011
Background Pk Area (A-s): 0.330 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 2.37 Corrected Conc (ug/L): 2.37

Replicate 2 Time: 12:06
Peak Area (A-s): 0.008 Peak Height (A): 0.012
Background Pk Area (A-s): 0.323 Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 2.72 Corrected Conc (ug/L): 2.72

Mean Conc (ug/L): 2.55 SD: 0.249 RSD(%): 9.78
Corrected Conc (ug/L): 2.55

DATACHEM LABORATORIES – GFAA ANALYSIS

Se ID: MERA09 Seq. No.: 00040 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 12:15
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.288 Background Pk Height (A): 0.161
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.31 Corrected Conc (ug/L): -0.31

Replicate 2 Time: 12:17
Peak Area (A-s): -0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.280 Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.25 Corrected Conc (ug/L): -0.25

Mean Conc (ug/L): -0.28 SD: 0.040 RSD(%): 14.61
Corrected Conc (ug/L): -0.28

Se ID: MERA09A Seq. No.: 00041 A/S Pos.: 13 Date: 05/18/92

Replicate 1 Time: 12:20
Peak Area (A-s): 0.008 Peak Height (A): 0.009
Background Pk Area (A-s): 0.286 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 2.69 Corrected Conc (ug/L): 2.69

Replicate 2 Time: 12:22
Peak Area (A-s): 0.008 Peak Height (A): 0.011
Background Pk Area (A-s): 0.278 Background Pk Height (A): 0.144
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 2.70 Corrected Conc (ug/L): 2.70

Mean Conc (ug/L): 2.70 SD: 0.013 RSD(%): 0.47
Corrected Conc (ug/L): 2.70

Se ID: MERA10 Seq. No.: 00042 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 12:24
 Peak Area (A-s): -0.002 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.378 Background Pk Height (A): 0.197
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.33 Corrected Conc (ug/L): -0.33

Replicate 2 Time: 12:26
 Peak Area (A-s): -0.004 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.412 Background Pk Height (A): 0.239
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.70 Corrected Conc (ug/L): -0.70

Mean Conc (ug/L): -0.51 SD: 0.266 RSD(%): 51.67
 Corrected Conc (ug/L): -0.51

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: MERA10A Seq. No.: 00043 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 12:28
 Peak Area (A-s): 0.003 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.417 Background Pk Height (A): 0.214
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 1.22 Corrected Conc (ug/L): 1.22

Replicate 2 Time: 12:30
 Peak Area (A-s): 0.004 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.399 Background Pk Height (A): 0.219
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.55 Corrected Conc (ug/L): 1.55

Mean Conc (ug/L): 1.39 SD: 0.236 RSD(%): 17.05
 Corrected Conc (ug/L): 1.39

Se ID: CCV 8/11 Seq. No.: 00044 A/S Pos.: 16 Date: 05/18/92

Replicate 1 8/11/92 Time: 12:32
 Peak Area (A-s): 0.156 Peak Height (A): 0.190
 Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.090
 Blank Corrected Pk Area (A-s): 0.157
 Concentration (ug/L): 48.91

Replicate 2 Time: 12:34
 Peak Area (A-s): 0.161 Peak Height (A): 0.178
 Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.058
 Blank Corrected Pk Area (A-s): 0.162
 Concentration (ug/L): 50.70

Mean Conc (ug/L): 49.80 SD: 1.270 RSD(%): 2.55

Se ID: CCB 8/11/92 Seq. No.: 00045 A/S Pos.: 17 Date: 05/18/92

Replicate 1 8/11/92 Time: 12:36
 Peak Area (A-s): 0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.66

Replicate 2
 Peak Area (A-s): -0.002
 Background Pk Area (A-s): 0.014
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.08

Mean Conc (ug/L): 0.29 SD: 0.526 RSD(%): 181.05

Se ID: MERA11 Seq. No.: 00046 A/S Pos.: 18 Date: 05/18/92

Replicate 1
 Peak Area (A-s): -0.004
 Background Pk Area (A-s): 0.298
 Blank Corrected Pk Area (A-s): -0.003
 Concentration (ug/L): -0.75

Time: 12:42
 Peak Height (A): 0.006
 Background Pk Height (A): 0.167
 Corrected Conc (ug/L): -0.75

Replicate 2
 Peak Area (A-s): -0.004
 Background Pk Area (A-s): 0.317
 Blank Corrected Pk Area (A-s): -0.003
 Concentration (ug/L): -0.87

Time: 12:44
 Peak Height (A): 0.005
 Background Pk Height (A): 0.180
 Corrected Conc (ug/L): -0.87

Mean Conc (ug/L): -0.81 SD: 0.086 RSD(%): 10.58
 Corrected Conc (ug/L): -0.81

Se ID: MERA11A Seq. No.: 00047 A/S Pos.: 19 Date: 05/18/92

Replicate 1
 Peak Area (A-s): -0.002
 Background Pk Area (A-s): 0.349
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.29

Time: 12:46
 Peak Height (A): 0.005
 Background Pk Height (A): 0.200
 Corrected Conc (ug/L): -0.29

Replicate 2
 Peak Area (A-s): 0.001
 Background Pk Area (A-s): 0.346
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.66

Time: 12:48
 Peak Height (A): 0.007
 Background Pk Height (A): 0.201
 Corrected Conc (ug/L): 0.66

Mean Conc (ug/L): 0.19 SD: 0.678 RSD(%): 365.18
 Corrected Conc (ug/L): 0.19

Se ID: MERA02-10X Seq. No.: 00048 A/S Pos.: 20 Date: 05/18/92

Replicate 1
 Peak Area (A-s): -0.000
 Background Pk Area (A-s): 0.098
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.36

Time: 12:50
 Peak Height (A): 0.005
 Background Pk Height (A): 0.078
 Corrected Conc (ug/L): 3.6

Replicate 2
 Peak Area (A-s): -0.000
 Background Pk Area (A-s): 0.067
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.30

Time: 12:52
 Peak Height (A): 0.004
 Background Pk Height (A): 0.032
 Corrected Conc (ug/L): 3.0

DATACHEM LABORATORIES — GFAA ANALYSIS

Mean Conc (ug/L): 0.33 SD: 0.044 RSD(%): 13.38

Corrected Conc (ug/L): 3.3

15

Se ID: MERA02A-10X Seq. No.: 00049 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 12:54
Peak Area (A-s): 0.027 Peak Height (A): 0.030
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.54 Corrected Conc (ug/L): 85.4

DATA CHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 12:56
Peak Area (A-s): 0.028 Peak Height (A): 0.032
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.78 Corrected Conc (ug/L): 87.8

Mean Conc (ug/L): 8.66 SD: 0.168 RSD(%): 1.93
Corrected Conc (ug/L): 86.6

Se ID: MERA05-10X Seq. No.: 00050 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 12:58
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.07 Corrected Conc (ug/L): -0.7

Replicate 2 Time: 13:00
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.22 Corrected Conc (ug/L): 2.2

Mean Conc (ug/L): 0.08 SD: 0.205 RSD(%): 262.17
Corrected Conc (ug/L): 0.8

Se ID: MERA05A-10X Seq. No.: 00051 A/S Pos.: 23 Date: 05/18/92

Replicate 1 Time: 13:02
Peak Area (A-s): 0.025 Peak Height (A): 0.024
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 7.88 Corrected Conc (ug/L): 78.8

Replicate 2 Time: 13:04
Peak Area (A-s): 0.027 Peak Height (A): 0.026
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 8.33 Corrected Conc (ug/L): 83.3

Mean Conc (ug/L): 8.10 SD: 0.317 RSD(%): 3.92
Corrected Conc (ug/L): 81.0

Se ID: MERA06-10X Seq. No.: 00052 A/S Pos.: 24 Date: 05/18/92

Replicate 1 Time: 13:06
 Peak Area (A-s): 0.000 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.046
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.55 Corrected Conc (ug/L): 5.5

Replicate 2 Time: 13:08
 Peak Area (A-s): -0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.22 Corrected Conc (ug/L): 2.2

Mean Conc (ug/L): 0.38 SD: 0.230 RSD(%): 59.99
 Corrected Conc (ug/L): 3.8

DATACHEM LABORATORIES — GFAA ANALYSIS

Se ID: MERA06A-10X Seq. No.: 00053 A/S Pos.: 25 Date: 05/18/92

Replicate 1 Time: 13:10
 Peak Area (A-s): 0.025 Peak Height (A): 0.026
 Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.047
 Blank Corrected Pk Area (A-s): 0.026
 Concentration (ug/L): 7.84 Corrected Conc (ug/L): 78.4

Replicate 2 Time: 13:12
 Peak Area (A-s): 0.025 Peak Height (A): 0.027
 Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.044
 Blank Corrected Pk Area (A-s): 0.027
 Concentration (ug/L): 7.96 Corrected Conc (ug/L): 79.6

Mean Conc (ug/L): 7.90 SD: 0.085 RSD(%): 1.08
 Corrected Conc (ug/L): 79.0

Se ID: MERA07-10X Seq. No.: 00054 A/S Pos.: 26 Date: 05/18/92

Replicate 1 Time: 13:14
 Peak Area (A-s): -0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.047
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.21 Corrected Conc (ug/L): 2.1

Replicate 2 Time: 13:16
 Peak Area (A-s): -0.002 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.048
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.11 Corrected Conc (ug/L): -1.1

Mean Conc (ug/L): 0.05 SD: 0.226 RSD(%): 430.63
 Corrected Conc (ug/L): 0.5

Se ID: MERA07A-10X Seq. No.: 00055 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 13:18
 Peak Area (A-s): 0.025 Peak Height (A): 0.028

Background Pk Area (A-s): 0.061
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 7.94

Background Pk Height (A): 0.047
Corrected Conc (ug/L): 79.4

Replicate 2
Peak Area (A-s): 0.027
Background Pk Area (A-s): 0.063
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 8.34

Time: 13:20
Peak Height (A): 0.028
Background Pk Height (A): 0.048
Corrected Conc (ug/L): 83.4

Mean Conc (ug/L): 8.14
Corrected Conc (ug/L): 81.4

Se ID: CCV/2 Seq. No.: 00056 A/S Pos.: 28 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.161
Background Pk Area (A-s): 0.061
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 50.83

Replicate 2
Peak Area (A-s): 0.168
Background Pk Area (A-s): 0.063
Blank Corrected Pk Area (A-s): 0.170
Concentration (ug/L): 53.03

Mean Conc (ug/L): 51.93 SD: 1.554 RSD(%): 2.99

Se ID: ~~CCV~~ CCB/2 Seq. No.: 00057 A/S Pos.: 29 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.009
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.19

Se ID: CCV 9/12 AA2 Seq. No.: 00058 A/S Pos.: 28 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.162
Background Pk Area (A-s): 0.063
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 51.07

Replicate 2
Peak Area (A-s): 0.168
Background Pk Area (A-s): 0.064
Blank Corrected Pk Area (A-s): 0.169
Concentration (ug/L): 52.91

Mean Conc (ug/L): 51.99 SD: 1.302 RSD(%): 2.50

Se ID: CCB 9/12 AA2 Seq. No.: 00059 A/S Pos.: 29 Date: 05/18/92

DATACHEM LABORATORIES - GFAA ANALYSIS

17
Data not used. software
problem. Single injection for
CCB. AA2
05/18/92

Replicate 1 Time: 13:36
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.013
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.05

Replicate 2 Time: 13:38
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.19

Mean Conc (ug/L): 0.12 SD: 0.097 RSD(%): 79.92

Se ID: MERA08-10X Seq. No.: 00060 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 13:42
 Peak Area (A-s): -0.002 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.042
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.11 Corrected Conc (ug/L): -1.1

DATACHEM LABORATORIES – GFAA ANALYSIS

Replicate 2 Time: 13:44
 Peak Area (A-s): -0.002 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.29 Corrected Conc (ug/L): -2.9

Mean Conc (ug/L): -0.20 SD: 0.134 RSD(%): 67.03
 Corrected Conc (ug/L): -2.0

Se ID: MERA08A-10X Seq. No.: 00061 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 13:46
 Peak Area (A-s): 0.024 Peak Height (A): 0.029
 Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.044
 Blank Corrected Pk Area (A-s): 0.026
 Concentration (ug/L): 7.71 Corrected Conc (ug/L): 77.1

Replicate 2 Time: 13:48
 Peak Area (A-s): 0.027 Peak Height (A): 0.032
 Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.046
 Blank Corrected Pk Area (A-s): 0.028
 Concentration (ug/L): 8.36 Corrected Conc (ug/L): 83.6

Mean Conc (ug/L): 8.03 SD: 0.461 RSD(%): 5.74
 Corrected Conc (ug/L): 80.3

Se ID: NERA09-10X Seq. No.: 00063 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 13:52
 Peak Area (A-s): -0.002 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.116 Background Pk Height (A): 0.067
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.10 Corrected Conc (ug/L): -1.0

Replicate 2 Time: 13:54
 Peak Area (A-s): -0.001 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.04 Corrected Conc (ug/L): 0.4

Mean Conc (ug/L): -0.03 SD: 0.097 RSD(%): 297.90
 Corrected Conc (ug/L): -0.3

Se ID: MERA09A-10X Seq. No.: 00064 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 13:56
 Peak Area (A-s): 0.025 Peak Height (A): 0.029
 Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.044
 Blank Corrected Pk Area (A-s): 0.026
 Concentration (ug/L): 7.77 Corrected Conc (ug/L): 77.7

Replicate 2 Time: 13:58
 Peak Area (A-s): 0.025 Peak Height (A): 0.030
 Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.043
 Blank Corrected Pk Area (A-s): 0.027
 Concentration (ug/L): 7.96 Corrected Conc (ug/L): 79.6

Mean Conc (ug/L): 7.86 SD: 0.131 RSD(%): 1.67
 Corrected Conc (ug/L): 78.6

Se ID: MERA10-10X Seq. No.: 00065 A/S Pos.: 10 Date: 05/18/92

Replicate 1 Time: 14:00
 Peak Area (A-s): -0.000 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.048
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.34 Corrected Conc (ug/L): 3.4

Se ID: MERA10-10X Seq. No.: 00066 A/S Pos.: 10 Date: 05/18/92

Replicate 1 Time: 14:22
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.051
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.04 Corrected Conc (ug/L): 0.4

Replicate 2 Time: 14:24
 Peak Area (A-s): -0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.051
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.27 Corrected Conc (ug/L): 2.7

Mean Conc (ug/L): 0.16 SD: 0.166 RSD(%): 105.58
 Corrected Conc (ug/L): 1.6

Se ID: MERA10A-10X Seq. No.: 00067 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 14:26
 Peak Area (A-s): 0.026 Peak Height (A): 0.049

DATACHEM LABORATORIES - GFAA ANALYSIS

Data not used. single
injection RA² 05/18/92

Background Pk Area (A-s): 0.095
 Blank Corrected Pk Area (A-s): 0.028
 Concentration (ug/L): 7.52

Background Pk Height (A): 0.063
 Corrected Conc (ug/L): 75.2

Replicate 2
 Peak Area (A-s): 0.025
 Background Pk Area (A-s): 0.116
 Blank Corrected Pk Area (A-s): 0.026
 Concentration (ug/L): 7.06

Time: 14:28
 Peak Height (A): 0.042
 Background Pk Height (A): 0.055
 Corrected Conc (ug/L): 70.6

Mean Conc (ug/L): 7.29 SD: 0.319 RSD(%): 4.37
 Corrected Conc (ug/L): 72.9

Se ID: MERA11-10A Seq. No.: 00068 A/S Pos.: 12 Date: 05/18/92

Replicate 1
 Peak Area (A-s): -0.001
 Background Pk Area (A-s): 0.113
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.27

Time: 14:30
 Peak Height (A): 0.005
 Background Pk Height (A): 0.057
 Corrected Conc (ug/L): 2.7

Replicate 2
 Peak Area (A-s): -0.002
 Background Pk Area (A-s): 0.103
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.02

Time: 14:33
 Peak Height (A): 0.004
 Background Pk Height (A): 0.054
 Corrected Conc (ug/L): 0.2

Mean Conc (ug/L): 0.14 SD: 0.173 RSD(%): 120.48
 Corrected Conc (ug/L): 1.4

DATACHEM LABORATORIES - GFAA ANALYSIS

Se ID: MERA11A-10X Seq. No.: 00069 A/S Pos.: 13 Date: 05/18/92

Replicate 1
 Peak Area (A-s): 0.018
 Background Pk Area (A-s): 0.127
 Blank Corrected Pk Area (A-s): 0.019
 Concentration (ug/L): 5.13

Time: 14:35
 Peak Height (A): 0.037
 Background Pk Height (A): 0.056
 Corrected Conc (ug/L): 51.3

Replicate 2
 Peak Area (A-s): 0.017
 Background Pk Area (A-s): 0.121
 Blank Corrected Pk Area (A-s): 0.019
 Concentration (ug/L): 5.06

Time: 14:37
 Peak Height (A): 0.036
 Background Pk Height (A): 0.054
 Corrected Conc (ug/L): 50.6

Mean Conc (ug/L): 5.10 SD: 0.046 RSD(%): 0.91
 Corrected Conc (ug/L): 51.0

Se ID: CCV *10/13 APPZ* Seq. No.: 00070 A/S Pos.: 14 Date: 05/18/92 *65/18/92*

Replicate 1
 Peak Area (A-s): 0.171
 Background Pk Area (A-s): 0.074
 Blank Corrected Pk Area (A-s): 0.172
 Concentration (ug/L): 48.22

Time: 14:39
 Peak Height (A): 0.259
 Background Pk Height (A): 0.082

Replicate 2 Time: 14:41

Peak Area (A-s): 0.168
Background Pk Area (A-s): 0.070
Blank Corrected Pk Area (A-s): 0.169
Concentration (ug/L): 47.41

Peak Height (A): 0.245
Background Pk Height (A): 0.077

Mean Conc (ug/L): 47.82 SD: 0.574 RSD(%): 1.20

21

DATACHEM LABORATORIES -- GFAA ANALYSIS

Se ID: CCB *13 AA2* Seq. No.: 00071 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 14:43
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.24

Replicate 2 Time: 14:45
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.16

Mean Conc (ug/L): 0.20 SD: 0.058 RSD(%): 28.79

MSA's for sample was prepared as follow:

<u>Key</u>	<u>Sample Volume</u>	<u>Spike Volume</u>	<u>Spike solution conc.</u>	<u>Final Spike Level</u>
-0	1ml	+ 10μL	x 0.169/ml	= 0.491/L
-1	1ml	+ 10μL	x 1 μg/ml	= 10 μg/L
-2	1ml	+ 10μL	x 2 μg/ml	= 20 μg/L
-3	1ml	+ 10μL	x 3 μg/ml	= 30 μg/L

RECORDED BY: [Signature] DATE: [Signature]

Se ID: MERA010 Seq. No.: 00072 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 14:57
 Peak Area (A-s): -0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.008
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.10 Corrected Conc (ug/L): -0.10

*Data not used
injection problem
AA2 05/18/92*

Se ID: MERA010 Seq. No.: 00074 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 14:59
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.007
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.11 Corrected Conc (ug/L): -0.11

DATACHEM LABORATORIES — GFAA ANALYSIS

Se ID: MERA011 Seq. No.: 00075 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 15:01
 Peak Area (A-s): 0.034 Peak Height (A): 0.059
 Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.020
 Blank Corrected Pk Area (A-s): 0.035
 Concentration (ug/L): 9.58 Corrected Conc (ug/L): 9.58

Se ID: MERA012 Seq. No.: 00076 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 15:03
 Peak Area (A-s): 0.068 Peak Height (A): 0.112
 Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.036
 Blank Corrected Pk Area (A-s): 0.069
 Concentration (ug/L): 19.33 Corrected Conc (ug/L): 19.33

Se ID: MERA013 Seq. No.: 00077 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 15:05
 Peak Area (A-s): 0.106 Peak Height (A): 0.169
 Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.052
 Blank Corrected Pk Area (A-s): 0.106
 Concentration (ug/L): 30.11 Corrected Conc (ug/L): 30.11

$$r^2 = 0.9999$$

Se ID: MERA010 Seq. No.: 00078 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 15:11
 Peak Area (A-s): 0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.009
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.29 Corrected Conc (ug/L): 0.29

*Data not used
unnecessary run 332
AA2
05/18/92*

Se ID: MERA011 Seq. No.: 00079 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 15:13
 Peak Area (A-s): 0.024 Peak Height (A): 0.066

Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 9.61 Corrected Conc (ug/L): 9.61

Se ID: MERA012 Seq. No.: 00080 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 15:15
Peak Area (A-s): 0.070 Peak Height (A): 0.111
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 19.88 Corrected Conc (ug/L): 19.88

Se ID: MERA013 Seq. No.: 00081 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 15:17
Peak Area (A-s): 0.105 Peak Height (A): 0.170
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 30.06 Corrected Conc (ug/L): 30.06

Se ID: CGV 14 Seq. No.: 00082 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 15:19
Peak Area (A-s): 0.175 Peak Height (A): 0.255
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.175
Concentration (ug/L): 50.68

Replicate 2 Time: 15:21
Peak Area (A-s): 0.174 Peak Height (A): 0.283
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.174
Concentration (ug/L): 50.54

Mean Conc (ug/L): 50.61 SD: 0.104 RSD(%): 0.21

Se ID: CCB 14 Seq. No.: 00083 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 15:23
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.27

Replicate 2 Time: 15:25
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.05

Mean Conc (ug/L): 0.16 SD: 0.151 RSD(%): 94.97

Se ID: PBS(EL1385) Seq. No.: 00084 A/S Pos.: 22 Date: 05/18/92

23
Data not used.
Unnecessary run.

AA2
05/18/92

DATACHEM LABORATORIES - GFAA ANALYSIS

333

End of The run for SNC-MERA01

Data not used.

05/18/92 AA2

Peak Area (A-s): 0.000
 Background Pk Area (A-s): 0.020
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.21

Peak Height (A): 0.005
 Background Pk Height (A): 0.014
 Corrected Conc (ug/L): 0.21

Replicate 2
 Peak Area (A-s): -0.001
 Background Pk Area (A-s): 0.024
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.13

Time: 15:29
 Peak Height (A): 0.004
 Background Pk Height (A): 0.020
 Corrected Conc (ug/L): -0.13

Mean Conc (ug/L): 0.04 SD: 0.238 RSD(%): 577.60
 Corrected Conc (ug/L): 0.04

Se ID: LCSS-5X Seq. No.: 00085 A/S Pos.: 23 Date: 05/18/92

Replicate 1
 Peak Area (A-s): 0.089
 Background Pk Area (A-s): 0.124
 Blank Corrected Pk Area (A-s): 0.090
 Concentration (ug/L): 25.36

Time: 15:31
 Peak Height (A): 0.122
 Background Pk Height (A): 0.078
 Corrected Conc (ug/L): 126.8

Replicate 2
 Peak Area (A-s): 0.090
 Background Pk Area (A-s): 0.123
 Blank Corrected Pk Area (A-s): 0.090
 Concentration (ug/L): 25.49

Time: 15:33
 Peak Height (A): 0.138
 Background Pk Height (A): 0.078
 Corrected Conc (ug/L): 127.4

Mean Conc (ug/L): 25.42 SD: 0.088 RSD(%): 0.34
 Corrected Conc (ug/L): 127.1

Se ID: EL1385 Seq. No.: 00086 A/S Pos.: 24 Date: 05/18/92

Replicate 1 Time: 15:35

DATACHEM LABORATORIES – GFAA ANALYSIS

Data not used
AA2 05/18/92

Peak Area (A-s): 0.004
 Background Pk Area (A-s): 0.214
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.26

Peak Height (A): 0.007
 Background Pk Height (A): 0.105
 Corrected Conc (ug/L): 1.26

Replicate 2
 Peak Area (A-s): -0.001
 Background Pk Area (A-s): 0.217
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.15

Time: 15:37
 Peak Height (A): 0.013
 Background Pk Height (A): 0.106
 Corrected Conc (ug/L): -0.15

Mean Conc (ug/L): 0.56 SD: 0.998 RSD(%): 179.52
 Corrected Conc (ug/L): 0.56

Se ID: EL13850 Seq. No.: 00087 A/S Pos.: 25 Date: 05/18/92

Replicate 1
 Peak Area (A-s): -0.000
 Background Pk Area (A-s): 0.200
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.05

Time: 15:39
 Peak Height (A): 0.005
 Background Pk Height (A): 0.082
 Corrected Conc (ug/L): -0.05

Replicate 2 Time: 15:41
 Peak Area (A-s): -0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.202 Background Pk Height (A): 0.081
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.24 Corrected Conc (ug/L): -0.24
 Mean Conc (ug/L): -0.14 SD: 0.136 RSD(%): 95.79
 Corrected Conc (ug/L): -0.14

Se ID: EL1385S Seq. No.: 00088 A/S Pos.: 26 Date: 05/18/92

Replicate 1 Time: 15:43
 Peak Area (A-s): 0.005 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.106
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.48 Corrected Conc (ug/L): 1.48

Replicate 2 Time: 15:46
 Peak Area (A-s): 0.004 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.109
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.31 Corrected Conc (ug/L): 1.31

Mean Conc (ug/L): 1.40 SD: 0.121 RSD(%): 8.63
 Corrected Conc (ug/L): 1.40

Se ID: EL1385S-5X Seq. No.: 00089 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 15:52
 Peak Area (A-s): 0.002 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.052
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.58 Corrected Conc (ug/L): 2.9

DATACHEM LABORATORIES - GFAA ANALYSIS

Data not used
AA2
05/18/92

Replicate 2 Time: 15:55
 Peak Area (A-s): -0.001 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.091 Background Pk Height (A): 0.042
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.06 Corrected Conc (ug/L): -0.3
 Mean Conc (ug/L): 0.26 SD: 0.455 RSD(%): 174.07
 Corrected Conc (ug/L): 1.3

Se ID: PBS Seq. No.: 00090 A/S Pos.: 28 Date: 05/18/92

Replicate 1 Time: 15:57
 Peak Area (A-s): -0.002 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.015
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.50 Corrected Conc (ug/L): -0.50

Replicate 2 Time: 15:59
 Peak Area (A-s): -0.003 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.017
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.66 Corrected Conc (ug/L): -0.66

Mean Conc (ug/L): -0.58 SD: 0.108 RSD(%): 18.59
 Corrected Conc (ug/L): -0.58

Se ID: PBSA Seq. No.: 00091 A/S Pos.: 29 Date: 05/18/92

Replicate 1 Time: 16:01
 Peak Area (A-s): 0.027 Peak Height (A): 0.055
 Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.020
 Blank Corrected Pk Area (A-s): 0.028
 Concentration (ug/L): 7.70 Corrected Conc (ug/L): 7.70

Replicate 2 Time: 16:03
 Peak Area (A-s): 0.030 Peak Height (A): 0.051
 Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.019
 Blank Corrected Pk Area (A-s): 0.030
 Concentration (ug/L): 8.31 Corrected Conc (ug/L): 8.31

Mean Conc (ug/L): 8.00 SD: 0.435 RSD(%): 5.43
 Corrected Conc (ug/L): 8.00

Se ID: EL1386 Seq. No.: 00092 A/S Pos.: 30 Date: 05/18/92

Replicate 1 Time: 16:05
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.202 Background Pk Height (A): 0.101
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.26 Corrected Conc (ug/L): -0.26

Replicate 2 Time: 16:07
 Peak Area (A-s): -0.001 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.207 Background Pk Height (A): 0.099
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.14 Corrected Conc (ug/L): -0.14

Mean Conc (ug/L): -0.20 SD: 0.086 RSD(%): 42.06
 Corrected Conc (ug/L): -0.20

Se ID: CCV Seq. No.: 00093 A/S Pos.: 31 Date: 05/18/92

Replicate 1 Time: 16:09
 Peak Area (A-s): 0.159 Peak Height (A): 0.227
 Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.079
 Blank Corrected Pk Area (A-s): 0.160
 Concentration (ug/L): 46.08

Replicate 2 Time: 16:11
 Peak Area (A-s): 0.170 Peak Height (A): 0.253
 Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.083
 Blank Corrected Pk Area (A-s): 0.170
 Concentration (ug/L): 49.31

Mean Conc (ug/L): 47.69 SD: 2.283 RSD(%): 4.79

Se ID: CCB Seq. No.: 00094 A/S Pos.: 32 Date: 05/18/92

DATACHEM LABORATORIES — GFAA ANALYSIS

Not used
 Date 05/18/92
 AZ 05/18/92

Replicate 1
 Peak Area (A-s): -0.001
 Background Pk Area (A-s): 0.024
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.05

Replicate 2
 Peak Area (A-s): -0.002
 Background Pk Area (A-s): 0.024
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.36

Mean Conc (ug/L): -0.21 SD: 0.215 RSD(%): 104.40

Se ID: EL1385 Seq. No.: 00095 A/S Pos.: 26 Date: 05/18/92

Replicate 1
 Peak Area (A-s): 0.003
 Background Pk Area (A-s): 0.210
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 1.31

Time: 16:23
 Peak Height (A): 0.006
 Background Pk Height (A): 0.106
 Corrected Conc (ug/L): 1.31

Replicate 2
 Peak Area (A-s): -0.002
 Background Pk Area (A-s): 0.210
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.04

Time: 16:25
 Peak Height (A): 0.004
 Background Pk Height (A): 0.106
 Corrected Conc (ug/L): -0.04

Mean Conc (ug/L): 0.63 SD: 0.960 RSD(%): 151.22
 Corrected Conc (ug/L): 0.63

Se ID: EL1385A Seq. No.: 00096 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 16:27

Peak Area (A-s): 0.008
 Background Pk Area (A-s): 0.206
 Blank Corrected Pk Area (A-s): 0.009
 Concentration (ug/L): 2.57

Peak Height (A): 0.011
 Background Pk Height (A): 0.099
 Corrected Conc (ug/L): 2.57

Replicate 2
 Peak Area (A-s): 0.017
 Background Pk Area (A-s): 0.302
 Blank Corrected Pk Area (A-s): 0.018
 Concentration (ug/L): 5.11

Time: 16:29
 Peak Height (A): 0.019
 Background Pk Height (A): 0.252
 Corrected Conc (ug/L): 5.11

Mean Conc (ug/L): 3.84 SD: 1.799 RSD(%): 46.86
 Corrected Conc (ug/L): 3.84

Se ID: EL1385-10X Seq. No.: 00097 A/S Pos.: 28 Date: 05/18/92

Replicate 1
 Peak Area (A-s): 0.000
 Background Pk Area (A-s): 0.049
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.48

Time: 16:36
 Peak Height (A): 0.005
 Background Pk Height (A): 0.022
 Corrected Conc (ug/L): 4.8

DATACHEM LABORATORIES = GFAA ANALYSIS

Data not used.
 AA2 05/18/92

Peak Area (A-s): -0.002 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.024
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.16 Corrected Conc (ug/L): -1.6

Mean Conc (ug/L): 0.16 SD: 0.452 RSD(%): 286.38
 Corrected Conc (ug/L): 1.6

Se ID: EL1385A-10X Seq. No.: 00098 A/S Pos.: 29 Date: 05/18/92

Replicate 1 Time: 16:41
 Peak Area (A-s): 0.021 Peak Height (A): 0.040
 Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.033
 Blank Corrected Pk Area (A-s): 0.022
 Concentration (ug/L): 6.35 Corrected Conc (ug/L): 63.5

Replicate 2 Time: 16:43
 Peak Area (A-s): 0.022 Peak Height (A): 0.042
 Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.028
 Blank Corrected Pk Area (A-s): 0.024
 Concentration (ug/L): 6.72 Corrected Conc (ug/L): 67.2

Mean Conc (ug/L): 6.53 SD: 0.259 RSD(%): 3.96
 Corrected Conc (ug/L): 65.3

Se ID: PBS Seq. No.: 00099 A/S Pos.: 30 Date: 05/18/92

Replicate 1 Time: 16:45
 Peak Area (A-s): -0.002 Peak Height (A): 0.004
 Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.016
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.08 Corrected Conc (ug/L): -0.08

Replicate 2 Time: 16:47
 Peak Area (A-s): -0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.020
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.14 Corrected Conc (ug/L): 0.14

Mean Conc (ug/L): 0.03 SD: 0.157 RSD(%): 549.08
 Corrected Conc (ug/L): 0.03

Se ID: PBSA Seq. No.: 00100 A/S Pos.: 31 Date: 05/18/92

Replicate 1 Time: 16:49
 Peak Area (A-s): 0.024 Peak Height (A): 0.044
 Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.075
 Blank Corrected Pk Area (A-s): 0.025
 Concentration (ug/L): 7.10 Corrected Conc (ug/L): 7.10

Replicate 2 Time: 16:51
 Peak Area (A-s): 0.030 Peak Height (A): 0.052
 Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.026
 Blank Corrected Pk Area (A-s): 0.031
 Concentration (ug/L): 8.84 Corrected Conc (ug/L): 8.84

DATACHEM LABORATORIES — GFAA ANALYSIS

Data not used.
 AA2 05/18/92

Mean Conc (ug/L): 7.97 SD: 1.232 RSD(%): 15.46
Corrected Conc (ug/L): 7.97

Se ID: CCV Seq. No.: 00101 A/S Pos.: 32 Date: 05/18/92

Replicate 1 Time: 16:53
Peak Area (A-s): 0.165 Peak Height (A): 0.230
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.167
Concentration (ug/L): 49.34

Replicate 2 Time: 16:55
Peak Area (A-s): 0.164 Peak Height (A): 0.229
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.165
Concentration (ug/L): 48.97

Mean Conc (ug/L): 49.15 SD: 0.259 RSD(%): 0.53

Se ID: CCB Seq. No.: 00102 A/S Pos.: 33 Date: 05/18/92

Replicate 1 Time: 16:57
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.57

Replicate 2 Time: 16:59
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.15

Mean Conc (ug/L): 0.36 SD: 0.301 RSD(%): 83.71

Se ID: 2%HNO3 Seq. No.: 00103 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 17:02
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.09

Replicate 2 Time: 17:04
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.40

Mean Conc (ug/L): 0.24 SD: 0.222 RSD(%): 91.05

Se ID: 2%HNO3A Seq. No.: 00104 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 17:06

DATACHEM LABORATORIES - GFAA ANALYSIS

29
Data not used.
AA2 05/18/92

339

Peak Area (A-s): 0.020
Background Pk Area (A-s): 0.035
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 7.87

Peak Height (A): 0.043
Background Pk Height (A): 0.024

30

Replicate 2
Peak Area (A-s): 0.026
Background Pk Area (A-s): 0.036
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 7.90

Time: 17:09
Peak Height (A): 0.043
Background Pk Height (A): 0.026

Mean Conc (ug/L): 7.88 SD: 0.022 RSD(%): 0.28

Se ID: PBS Seq. No.: 00105 A/S Pos.: 8 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.028
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.25

Time: 17:11
Peak Height (A): 0.004
Background Pk Height (A): 0.019
Corrected Conc (ug/L): 0.25

Replicate 2
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.23

Time: 17:13
Peak Height (A): 0.004
Background Pk Height (A): 0.017
Corrected Conc (ug/L): -0.23

Mean Conc (ug/L): 0.01 SD: 0.337 RSD(%): 2855.48
Corrected Conc (ug/L): 0.01

Se ID: PBSA Seq. No.: 00106 A/S Pos.: 9 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.027

Time: 17:15
Peak Height (A): 0.045

Background Pk Area (A-s): 0.035
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 7.94

Background Pk Height (A): 0.026
Corrected Conc (ug/L): 7.94

Replicate 2
Peak Area (A-s): 0.028
Background Pk Area (A-s): 0.039
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.35

Time: 17:17
Peak Height (A): 0.047
Background Pk Height (A): 0.025
Corrected Conc (ug/L): 8.35

Mean Conc (ug/L): 8.15 SD: 0.286 RSD(%): 3.51
Corrected Conc (ug/L): 8.15

Se ID: CCV Seq. No.: 00107 A/S Pos.: 10 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.163
Background Pk Area (A-s): 0.078
Blank Corrected Pk Area (A-s): 0.165
Concentration (ug/L): 48.77

Time: 17:19
Peak Height (A): 0.219
Background Pk Height (A): 0.079

Replicate 2 Time: 17:21

DATACHEM LABORATORIES - GFAA ANALYSIS

Data not used.
AA2 05/18/92

DATA ACQUISITION AND PROCESSING SYSTEM

340

Peak Area (A-s): 0.171
Background Pk Area (A-s): 0.085
Blank Corrected Pk Area (A-s): 0.173
Concentration (ug/L): 51.30

Peak Height (A): 0.230
Background Pk Height (A): 0.080

Mean Conc (ug/L): 50.03 SD: 1.789 RSD(%): 3.58

Se ID: CCB Seq. No.: 00108 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 17:24
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.56

Replicate 2 Time: 17:26
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.17

Mean Conc (ug/L): 0.37 SD: 0.273 RSD(%): 74.73

Se ID: 10 Seq. No.: 00109 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 17:28
Peak Area (A-s): 0.031 Peak Height (A): 0.043
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 9.26

Replicate 2 Time: 17:30
Peak Area (A-s): 0.029 Peak Height (A): 0.044
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.024

Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 8.73

Mean Conc (ug/L): 8.99 SD: 0.379 RSD(%): 4.21

DATACHEM LABORATORIES - GFAA ANALYSIS

31

Data not used
RAZ 05/18/92

341

Final test = Turn a checker
Date file = MAY 11 1981
Run # 41 342
Instrument = AAS-ZEB
Date = 1982
SDG = MERA 01
CME = 18014
SDG = MAY 11 86
Final test - Thallium
Date = 05/15/92

DATA CHEM LABORATORIES - GFAA ANALYSIS

7

Element: 118. ARSIL, UCL Date: 05/15/92 Time: 10:04 Slit: 0.7
Data File: MYH766T1.DAT661 ID/Wt File: MYH766T1.IDW Lamp Current: 12
Technique: HGA Calib. Type: Nonlinear Energy: 53

2

T1 ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/15/92

Replicate 1 Time: 10:03
Peak Area (A-s): -0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -1.12

Replicate 2 Time: 10:06
Peak Area (A-s): 0.003 Peak Height (A): 0.018
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.29

Mean Conc (ug/L): -0.71 SD: 0.587 RSD(%): 82.88

Auto-zero performed.

T1 ID: S10 Seq. No.: 00002 A/S Pos.: 2 Date: 05/15/92

Replicate 1 Time: 10:08
Peak Area (A-s): 0.054 Peak Height (A): 0.104
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 10.80

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 10:10
Peak Area (A-s): 0.058 Peak Height (A): 0.107
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 11.48

Mean Conc (ug/L): 11.14 SD: 0.479 RSD(%): 4.30

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0056

T1 ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/15/92

Replicate 1 Time: 10:12
Peak Area (A-s): 0.109 Peak Height (A): 0.177
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 19.48

Replicate 2 Time: 10:14
Peak Area (A-s): 0.108 Peak Height (A): 0.182
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.096
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 19.28

Mean Conc (ug/L): 19.38 SD: 0.142 RSD(%): 0.73

Standard number 2 applied. [20.00]

Correlation coefficient: 1.00000

Slope: 0.0057

T1 ID: S60 Seq. No.: 00004 A/S Pos.: 4 Date: 05/15/92

Replicate 1 Time: 10:16

Peak Area (A-s): 0.249

Peak Height (A): 0.413

Background Pk Area (A-s): 0.148

Background Pk Height (A): 0.227

Blank Corrected Pk Area (A-s): 0.248

Concentration (ug/L): 50.34

Replicate 2 Time: 10:18

Peak Area (A-s): 0.253

Peak Height (A): 0.408

Background Pk Area (A-s): 0.150

Background Pk Height (A): 0.224

Blank Corrected Pk Area (A-s): 0.253

Concentration (ug/L): 51.36

DATACHEM LABORATORIES -- GFAA ANALYSIS

Mean Conc (ug/L): 50.85 SD: 0.722 RSD(%): 1.42

Standard number 3 applied. [50.00]

Correlation coefficient: 1.00000 Slope: 0.0058

T1 ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/15/92

Replicate 1 Time: 10:20

Peak Area (A-s): 0.414

Peak Height (A): 0.601

Background Pk Area (A-s): 0.252

Background Pk Height (A): 0.414

Blank Corrected Pk Area (A-s): 0.414

Concentration (ug/L): 88.39

Replicate 2 Time: 10:22

Peak Area (A-s): 0.422

Peak Height (A): 0.597

Background Pk Area (A-s): 0.258

Background Pk Height (A): 0.415

Blank Corrected Pk Area (A-s): 0.422

Concentration (ug/L): 90.41

Mean Conc (ug/L): 89.40 SD: 1.433 RSD(%): 1.60

Standard number 4 applied. [100.00]

Correlation coefficient: 1.00000 Slope: 0.0057

T1 ID: ICV Seq. No.: 00006 A/S Pos.: 6 Date: 05/15/92

Replicate 1 Time: 10:24

Peak Area (A-s): 0.247

Peak Height (A): 0.384

Background Pk Area (A-s): 0.156

Background Pk Height (A): 0.209

Blank Corrected Pk Area (A-s): 0.246

Concentration (ug/L): 49.14

Replicate 2 Time: 10:26

Peak Area (A-s): 0.248

Peak Height (A): 0.391

Background Pk Area (A-s): 0.148

Background Pk Height (A): 0.213

Blank Corrected Pk Area (A-s): 0.248

Concentration (ug/L): 49.46

Mean Conc (ug/L): 49.30 SD: 0.222 RSD(%): 0.45

344

T1 ID: ICB Seq. No.: 00007 A/S Pos.: 7 Date: 05/15/92

4

Replicate 1 Time: 10:28
Peak Area (A-s): 0.001 Peak Height (A): 0.010
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.15

Replicate 2 Time: 10:30
Peak Area (A-s): 0.001 Peak Height (A): 0.010
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.10

Mean Conc (ug/L): 0.12 SD: 0.036 RSD(%): 29.38

T1 ID: CCV1 Seq. No.: 00008 A/S Pos.: 8 Date: 05/15/92

Replicate 1 Time: 10:32
Peak Area (A-s): 0.255 Peak Height (A): 0.399
Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.220
Blank Corrected Pk Area (A-s): 0.255
Concentration (ug/L): 51.12

Replicate 2 Time: 10:34
Peak Area (A-s): 0.250 Peak Height (A): 0.395
Background Pk Area (A-s): 0.170 Background Pk Height (A): 0.224
Blank Corrected Pk Area (A-s): 0.249
Concentration (ug/L): 49.83

Mean Conc (ug/L): 50.47 SD: 0.908 RSD(%): 1.80

T1 ID: CCB1 Seq. No.: 00009 A/S Pos.: 9 Date: 05/15/92

Replicate 1 Time: 10:36
Peak Area (A-s): 0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.10

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 10:38
Peak Area (A-s): 0.000 Peak Height (A): 0.009
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.04

Mean Conc (ug/L): 0.03 SD: 0.100 RSD(%): 302.98

T1 ID: CRA Seq. No.: 00010 A/S Pos.: 10 Date: 05/15/92

Replicate 1 Time: 10:40
Peak Area (A-s): 0.059 Peak Height (A): 0.098
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.072

Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 10.52

Replicate 2 Time: 10:42
Peak Area (A-s): 0.057 Peak Height (A): 0.099
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 10.29

Mean Conc (ug/L): 10.41 SD: 0.161 RSD(%): 1.55

T1 ID: PBW(MYH766) Seq. No.: 00011 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 10:45
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.36 Corrected Conc (ug/L): 0.41

Replicate 2 Time: 10:47
Peak Area (A-s): -0.000 Peak Height (A): 0.010
Background Pk Area (A-s): 0.136 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.13 Corrected Conc (ug/L): -0.15

Mean Conc (ug/L): 0.12 SD: 0.352 RSD(%): 304.66
Corrected Conc (ug/L): 0.13

DATACHEM LABORATORIES — GFAA ANALYSIS

T1 ID: PBWA Seq. No.: 00012 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 10:49
Peak Area (A-s): 0.117 Peak Height (A): 0.154
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.222
Blank Corrected Pk Area (A-s): 0.116
Concentration (ug/L): 21.52 Corrected Conc (ug/L): 23.91

Replicate 2 Time: 10:51
Peak Area (A-s): 0.115 Peak Height (A): 0.154
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.233
Blank Corrected Pk Area (A-s): 0.115
Concentration (ug/L): 21.26 Corrected Conc (ug/L): 23.63

Mean Conc (ug/L): 21.39 SD: 0.182 RSD(%): 0.85
Corrected Conc (ug/L): 23.77

T1 ID: LCSW Seq. No.: 00013 A/S Pos.: 13 Date: 05/15/92

Replicate 1 Time: 10:53
Peak Area (A-s): 0.233 Peak Height (A): 0.293
Background Pk Area (A-s): 0.272 Background Pk Height (A): 0.301
Blank Corrected Pk Area (A-s): 0.232
Concentration (ug/L): 45.86 Corrected Conc (ug/L): 50.96

Replicate 2 Time: 10:55
Peak Area (A-s): 0.230 Peak Height (A): 0.299
Background Pk Area (A-s): 0.272 Background Pk Height (A): 0.312

Blank Corrected Pk Area (A-s): 0.230
Concentration (ug/L): 45.39

Corrected Conc (ug/L): 50.43

Mean Conc (ug/L): 45.63 SD: 0.334 RSD(%): 0.73
Corrected Conc (ug/L): 50.70

6

T1 ID: LCSWA Seq. No.: 00014 A/S Pos.: 14 Date: 05/15/92

Replicate 1 Time: 10:57
Peak Area (A-s): 0.311 Peak Height (A): 0.392
Background Pk Area (A-s): 0.316 Background Pk Height (A): 0.373
Blank Corrected Pk Area (A-s): 0.311
Concentration (ug/L): 65.33 Corrected Conc (ug/L): 72.59

Replicate 2 Time: 10:59
Peak Area (A-s): 0.313 Peak Height (A): 0.397
Background Pk Area (A-s): 0.303 Background Pk Height (A): 0.371
Blank Corrected Pk Area (A-s): 0.313
Concentration (ug/L): 66.01 Corrected Conc (ug/L): 73.34

Mean Conc (ug/L): 65.67 SD: 0.476 RSD(%): 0.72
Corrected Conc (ug/L): 72.96

T1 ID: MYH755 Seq. No.: 00015 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 11:01
Peak Area (A-s): -0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.322 Background Pk Height (A): 0.300
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.39 Corrected Conc (ug/L): -0.43

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 11:03
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.314 Background Pk Height (A): 0.306
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.21 Corrected Conc (ug/L): 0.23

Mean Conc (ug/L): -0.09 SD: 0.424 RSD(%): 467.31
Corrected Conc (ug/L): -0.10

T1 ID: MYH755A Seq. No.: 00016 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 11:05
Peak Area (A-s): 0.066 Peak Height (A): 0.081
Background Pk Area (A-s): 0.342 Background Pk Height (A): 0.334
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 11.82 Corrected Conc (ug/L): 13.13

Replicate 2 Time: 11:07
Peak Area (A-s): 0.066 Peak Height (A): 0.083
Background Pk Area (A-s): 0.333 Background Pk Height (A): 0.318
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 11.91 Corrected Conc (ug/L): 13.24

Mean Conc (ug/L): 11.86 SD: 0.069 RSD(%): 0.58
Corrected Conc (ug/L): 13.18

T1 ID: MYH766 Seq. No.: 00017 A/S Pos.: 17 Date: 05/15/92

7

Replicate 1 Time: 11:09
Peak Area (A-s): 0.000 Peak Height (A): 0.012
Background Pk Area (A-s): 0.229 Background Pk Height (A): 0.223
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.07 Corrected Conc (ug/L): -0.07

Replicate 2 Time: 11:11
Peak Area (A-s): 0.001 Peak Height (A): 0.010
Background Pk Area (A-s): 0.230 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.04 Corrected Conc (ug/L): 0.05

Mean Conc (ug/L): -0.01 SD: 0.076 RSD(%): 575.34
Corrected Conc (ug/L): -0.01

T1 ID: MYH766A Seq. No.: 00018 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 11:13
Peak Area (A-s): 0.070 Peak Height (A): 0.081
Background Pk Area (A-s): 0.255 Background Pk Height (A): 0.243
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 12.61 Corrected Conc (ug/L): 14.01

DATACHEM LABORATORIES — GFAA ANALYSIS

Replicate 2 Time: 11:15
Peak Area (A-s): 0.071 Peak Height (A): 0.089
Background Pk Area (A-s): 0.257 Background Pk Height (A): 0.250
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 12.80 Corrected Conc (ug/L): 14.23

Mean Conc (ug/L): 12.71 SD: 0.138 RSD(%): 1.09
Corrected Conc (ug/L): 14.12

T1 ID: CCV2 Seq. No.: 00019 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 11:17
Peak Area (A-s): 0.257 Peak Height (A): 0.362
Background Pk Area (A-s): 0.222 Background Pk Height (A): 0.269
Blank Corrected Pk Area (A-s): 0.256
Concentration (ug/L): 51.49

Replicate 2 Time: 11:19
Peak Area (A-s): 0.255 Peak Height (A): 0.356
Background Pk Area (A-s): 0.229 Background Pk Height (A): 0.259
Blank Corrected Pk Area (A-s): 0.255
Concentration (ug/L): 51.10

Mean Conc (ug/L): 51.29 SD: 0.275 RSD(%): 0.54

T1 ID: CCB2 Seq. No.: 00020 A/S Pos.: 20 Date: 05/15/92

Replicate 1 Time: 11:21
Peak Area (A-s): 0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.102

348

8
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.32

Replicate 2
Peak Area (A-s): -0.004
Background Pk Area (A-s): 0.109
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.70

Time: 11:23
Peak Height (A): 0.007
Background Pk Height (A): 0.107
SD: 0.715
RSD(%): 376.79

Mean Conc (ug/L): -0.19

DATACHEM LABORATORIES - GFAA ANALYSIS

DATACHEM LABORATORIES — GFAA ANALYSIS

T1 ID: MYH766D Seq. No.: 00021 A/S Pos.: 21 Date: 05/15/92

Replicate 1 Time: 11:27
 Peak Area (A-s): 0.001 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.243 Background Pk Height (A): 0.233
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.06 Corrected Conc (ug/L): 0.07

Replicate 2 Time: 11:29
 Peak Area (A-s): 0.001 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.229 Background Pk Height (A): 0.216
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.06 Corrected Conc (ug/L): 0.07

Mean Conc (ug/L): 0.06 SD: 0.002 RSD(%): 2.67
 Corrected Conc (ug/L): 0.07

T1 ID: MYHT66DA Seq. No.: 00022 A/S Pos.: 22 Date: 05/15/92

Replicate 1 Time: 11:31
 Peak Area (A-s): 0.073 Peak Height (A): 0.090
 Background Pk Area (A-s): 0.264 Background Pk Height (A): 0.249
 Blank Corrected Pk Area (A-s): 0.072
 Concentration (ug/L): 13.12 Corrected Conc (ug/L): 14.58

Replicate 2 Time: 11:33
 Peak Area (A-s): 0.070 Peak Height (A): 0.084
 Background Pk Area (A-s): 0.258 Background Pk Height (A): 0.246
 Blank Corrected Pk Area (A-s): 0.070
 Concentration (ug/L): 12.67 Corrected Conc (ug/L): 14.08

Mean Conc (ug/L): 12.90 SD: 0.320 RSD(%): 2.48
 Corrected Conc (ug/L): 14.33

T1 ID: MYH766S Seq. No.: 00023 A/S Pos.: 23 Date: 05/15/92

Replicate 1 Time: 11:35
 Peak Area (A-s): 0.175 Peak Height (A): 0.196
 Background Pk Area (A-s): 0.304 Background Pk Height (A): 0.293
 Blank Corrected Pk Area (A-s): 0.174
 Concentration (ug/L): 33.22 Corrected Conc (ug/L): 36.91

Replicate 2 Time: 11:37
 Peak Area (A-s): 0.170 Peak Height (A): 0.197
 Background Pk Area (A-s): 0.295 Background Pk Height (A): 0.281

10

Blank Corrected Pk Area (A-s): 0.170
 Concentration (ug/L): 32.33 Corrected Conc (ug/L): 35.92

Mean Conc (ug/L): 32.77 SD: 0.631 RSD(%): 1.93
 Corrected Conc (ug/L): 36.41

T1 ID: MYH781 Seq. No.: 00024 A/S Pos.: 24 Date: 05/15/92

Replicate 1 Time: 11:39
 Peak Area (A-s): 0.003 Peak Height (A): 0.016
 Background Pk Area (A-s): 0.286 Background Pk Height (A): 0.247
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.43 Corrected Conc (ug/L): 0.47

Replicate 2 Time: 11:41
 Peak Area (A-s): 0.003 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.289 Background Pk Height (A): 0.251
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.44 Corrected Conc (ug/L): 0.49

Mean Conc (ug/L): 0.43 SD: 0.011 RSD(%): 2.60
 Corrected Conc (ug/L): 0.48

T1 ID: NYH781A Seq. No.: 00025 A/S Pos.: 25 Date: 05/15/92

Replicate 1 Time: 11:43
 Peak Area (A-s): 0.068 Peak Height (A): 0.085
 Background Pk Area (A-s): 0.314 Background Pk Height (A): 0.280
 Blank Corrected Pk Area (A-s): 0.068
 Concentration (ug/L): 12.32 Corrected Conc (ug/L): 13.69

Replicate 2 Time: 11:45
 Peak Area (A-s): 0.069 Peak Height (A): 0.088
 Background Pk Area (A-s): 0.304 Background Pk Height (A): 0.265
 Blank Corrected Pk Area (A-s): 0.068
 Concentration (ug/L): 12.34 Corrected Conc (ug/L): 13.71

Mean Conc (ug/L): 12.33 SD: 0.017 RSD(%): 0.14
 Corrected Conc (ug/L): 13.70

T1 ID: MYH782 Seq. No.: 00026 A/S Pos.: 26 Date: 05/15/92

Replicate 1 Time: 11:47
 Peak Area (A-s): 0.001 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.118
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.18 Corrected Conc (ug/L): 0.20

Replicate 2 Time: 11:49
 Peak Area (A-s): 0.001 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.129
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.17 Corrected Conc (ug/L): 0.19

Mean Conc (ug/L): 0.17 SD: 0.004 RSD(%): 2.41
 Corrected Conc (ug/L): 0.19

DATACHEM LABORATORIES — GFAA ANALYSIS

351

352

UNIVERSITY LABORATORIES — GFA ANALYSIS

12

Background Pk Area (A-s): 0.219 Background Pk Height (A): 0.278
 Blank Corrected Pk Area (A-s): 0.252
 Concentration (ug/L): 50.60

Replicate 2 Time: 12:06
 Peak Area (A-s): 0.249 Peak Height (A): 0.372
 Background Pk Area (A-s): 0.217 Background Pk Height (A): 0.268
 Blank Corrected Pk Area (A-s): 0.249
 Concentration (ug/L): 49.81

Mean Conc (ug/L): 50.20 SD: 0.559 RSD(%): 1.11

T1 ID: CCB3 Seq. No.: 00031 A/S Pos.: 31 Date: 05/15/92

Replicate 1 Time: 12:08
 Peak Area (A-s): -0.000 Peak Height (A): 0.012
 Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.101
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.12

Replicate 2 Time: 12:10
 Peak Area (A-s): 0.002 Peak Height (A): 0.015
 Background Pk Area (A-s): 0.101 Background Pk Height (A): 0.101
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.20

Mean Conc (ug/L): 0.04 SD: 0.222 RSD(%): 544.60

T1 ID: MYH794 Seq. No.: 00032 A/S Pos.: 11 Date: 05/15/92

Replicate 1 Time: 12:57
 Peak Area (A-s): 0.000 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.127 Background Pk Height (A): 0.132
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.01 Corrected Conc (ug/L): -0.02

Replicate 2 Time: 12:59
 Peak Area (A-s): 0.001 Peak Height (A): 0.010
 Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.125
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.18 Corrected Conc (ug/L): 0.20

Mean Conc (ug/L): 0.08 SD: 0.135 RSD(%): 167.31
 Corrected Conc (ug/L): 0.09

T1 ID: MYH794A Seq. No.: 00033 A/S Pos.: 12 Date: 05/15/92

Replicate 1 Time: 13:02
 Peak Area (A-s): 0.107 Peak Height (A): 0.161
 Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.176
 Blank Corrected Pk Area (A-s): 0.106
 Concentration (ug/L): 19.58 Corrected Conc (ug/L): 21.76

Replicate 2 Time: 13:05
 Peak Area (A-s): 0.110 Peak Height (A): 0.160
 Background Pk Area (A-s): 0.165 Background Pk Height (A): 0.176

DATACHEM LABORATORIES – GFAA ANALYSIS

353

13

Blank Corrected Pk Area (A-s): 0.110
 Concentration (ug/L): 20.26 Corrected Conc (ug/L): 22.51
 Mean Conc (ug/L): 19.92 SD: 0.481 RSD(%): 2.41
 Corrected Conc (ug/L): 22.14

T1 ID: MYH795 Seq. No.: 00034 A/S Pos.: 13 Date: 05/15/92

Replicate 1 Time: 13:07
 Peak Area (A-s): 0.001 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.117 Background Pk Height (A): 0.126
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.15 Corrected Conc (ug/L): 0.17

Replicate 2 Time: 13:09
 Peak Area (A-s): 0.004 Peak Height (A): 0.013
 Background Pk Area (A-s): 0.121 Background Pk Height (A): 0.131
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.57 Corrected Conc (ug/L): 0.64

Mean Conc (ug/L): 0.36 SD: 0.297 RSD(%): 81.80
 Corrected Conc (ug/L): 0.40

T1 ID: MYH795A Seq. No.: 00035 A/S Pos.: 14 Date: 05/15/92

Replicate 1 Time: 13:11
 Peak Area (A-s): 0.112 Peak Height (A): 0.168
 Background Pk Area (A-s): 0.166 Background Pk Height (A): 0.177
 Blank Corrected Pk Area (A-s): 0.112
 Concentration (ug/L): 20.61 Corrected Conc (ug/L): 22.90

Replicate 2 Time: 13:13
 Peak Area (A-s): 0.113 Peak Height (A): 0.174
 Background Pk Area (A-s): 0.166 Background Pk Height (A): 0.181
 Blank Corrected Pk Area (A-s): 0.113
 Concentration (ug/L): 20.83 Corrected Conc (ug/L): 23.15

Mean Conc (ug/L): 20.72 SD: 0.158 RSD(%): 0.76
 Corrected Conc (ug/L): 23.02

T1 ID: CCV4 Seq. No.: 00036 A/S Pos.: 15 Date: 05/15/92

Replicate 1 Time: 13:15
 Peak Area (A-s): 0.255 Peak Height (A): 0.391
 Background Pk Area (A-s): 0.218 Background Pk Height (A): 0.277
 Blank Corrected Pk Area (A-s): 0.254
 Concentration (ug/L): 51.03

Replicate 2 Time: 13:17
 Peak Area (A-s): 0.251 Peak Height (A): 0.393
 Background Pk Area (A-s): 0.216 Background Pk Height (A): 0.278
 Blank Corrected Pk Area (A-s): 0.251
 Concentration (ug/L): 50.26

Mean Conc (ug/L): 50.65 SD: 0.543 RSD(%): 1.07

DATACHEM LABORATORIES - GFAA ANALYSIS

354

14

T1 ID: CCB4 Seq. No.: 00037 A/S Pos.: 16 Date: 05/15/92

Replicate 1 Time: 13:19
 Peak Area (A-s): 0.003 Peak Height (A): 0.014
 Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.092
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.43

Replicate 2 Time: 13:21
 Peak Area (A-s): 0.003 Peak Height (A): 0.010
 Background Pk Area (A-s): 0.099 Background Pk Height (A): 0.092
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.49

Mean Conc (ug/L): 0.46 SD: 0.037 RSD(%): 7.99

T1 ID: PBW(MERA01) Seq. No.: 00038 A/S Pos.: 17 Date: 05/15/92

Replicate 1 Time: 13:23
 Peak Area (A-s): 0.001 Peak Height (A): 0.019
 Background Pk Area (A-s): 0.110 Background Pk Height (A): 0.118
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.17 Corrected Conc (ug/L): 0.19

Replicate 2 Time: 13:25
 Peak Area (A-s): 0.000 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.107 Background Pk Height (A): 0.110
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.06 Corrected Conc (ug/L): -0.07

Mean Conc (ug/L): 0.05 SD: 0.164 RSD(%): 313.88
 Corrected Conc (ug/L): 0.06

DATACHEM LABORATORIES — GFAA ANALYSIS

T1 ID: PBWA Seq. No.: 00039 A/S Pos.: 18 Date: 05/15/92

Replicate 1 Time: 13:27
 Peak Area (A-s): 0.108 Peak Height (A): 0.168
 Background Pk Area (A-s): 0.156 Background Pk Height (A): 0.174
 Blank Corrected Pk Area (A-s): 0.108
 Concentration (ug/L): 19.87 Corrected Conc (ug/L): 22.08

Replicate 2 Time: 13:29
 Peak Area (A-s): 0.105 Peak Height (A): 0.166
 Background Pk Area (A-s): 0.154 Background Pk Height (A): 0.166
 Blank Corrected Pk Area (A-s): 0.104
 Concentration (ug/L): 19.17 Corrected Conc (ug/L): 21.30

Mean Conc (ug/L): 19.52 SD: 0.495 RSD(%): 2.54
 Corrected Conc (ug/L): 21.69

T1 ID: LCSW Seq. No.: 00040 A/S Pos.: 19 Date: 05/15/92

Replicate 1 Time: 13:31
 Peak Area (A-s): 0.232 Peak Height (A): 0.347
 Background Pk Area (A-s): 0.218 Background Pk Height (A): 0.260

355

15

Blank Corrected Pk Area (A-s): 0.231
 Concentration (ug/L): 45.69 Corrected Conc (ug/L): 50.76

Replicate 2
 Peak Area (A-s): 0.229
 Background Pk Area (A-s): 0.206
 Blank Corrected Pk Area (A-s): 0.228
 Concentration (ug/L): 45.00 Corrected Conc (ug/L): 50.00

Mean Conc (ug/L): 45.34 SD: 0.487 RSD(%): 1.07
 Corrected Conc (ug/L): 50.38

T1 ID: LCSWA Seq. No.: 00041 A/S Pos.: 20 Date: 05/15/92

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 1
 Peak Area (A-s): 0.309
 Background Pk Area (A-s): 0.249
 Blank Corrected Pk Area (A-s): 0.309
 Concentration (ug/L): 64.81 Corrected Conc (ug/L): 72.01

Replicate 2
 Peak Area (A-s): 0.308
 Background Pk Area (A-s): 0.252
 Blank Corrected Pk Area (A-s): 0.307
 Concentration (ug/L): 64.43 Corrected Conc (ug/L): 71.59

Mean Conc (ug/L): 64.62 SD: 0.263 RSD(%): 0.41
 Corrected Conc (ug/L): 71.80

T1 ID: MERA26 Seq. No.: 00042 A/S Pos.: 21 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.003
 Background Pk Area (A-s): 0.144
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.39 Corrected Conc (ug/L): 0.44

Replicate 2
 Peak Area (A-s): -0.000
 Background Pk Area (A-s): 0.148
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.16 Corrected Conc (ug/L): -0.17

Mean Conc (ug/L): 0.12 SD: 0.390 RSD(%): 327.54
 Corrected Conc (ug/L): 0.13

T1 ID: MERA26A Seq. No.: 00043 A/S Pos.: 22 Date: 05/15/92

Replicate 1
 Peak Area (A-s): 0.090
 Background Pk Area (A-s): 0.187
 Blank Corrected Pk Area (A-s): 0.090
 Concentration (ug/L): 16.46 Corrected Conc (ug/L): 18.28

Replicate 2
 Peak Area (A-s): 0.094
 Peak Height (A): 0.126

356

16

Background Pk Area (A-s): 0.185 Background Pk Height (A): 0.157
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 17.10 Corrected Conc (ug/L): 19.00

Mean Conc (ug/L): 16.78 SD: 0.452 RSD(%): 2.70
Corrected Conc (ug/L): 18.64

T1 ID: MERA26D Seq. No.: 00044 A/S Pos.: 23 Date: 05/15/92

Replicate 1 Time: 13:47
Peak Area (A-s): 0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.16 Corrected Conc (ug/L): 0.18

Replicate 2 Time: 13:49
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.57 Corrected Conc (ug/L): 0.64

Mean Conc (ug/L): 0.37 SD: 0.291 RSD(%): 78.86
Corrected Conc (ug/L): 0.41

T1 ID: MERA26D Seq. No.: 00045 A/S Pos.: 24 Date: 05/15/92

Replicate 1 Time: 13:51
Peak Area (A-s): 0.082 Peak Height (A): 0.127
Background Pk Area (A-s): 0.200 Background Pk Height (A): 0.591
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 14.85 Corrected Conc (ug/L): 16.50

Replicate 2 Time: 13:53
Peak Area (A-s): 0.094 Peak Height (A): 0.126
Background Pk Area (A-s): 0.205 Background Pk Height (A): 0.173
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 17.05 Corrected Conc (ug/L): 18.95

Mean Conc (ug/L): 15.95 SD: 1.560 RSD(%): 9.78
Corrected Conc (ug/L): 17.72

DATACHEM LABORATORIES — GFAA ANALYSIS

T1 ID: MERA26S Seq. No.: 00046 A/S Pos.: 25 Date: 05/15/92

Replicate 1 Time: 13:55
Peak Area (A-s): 0.218 Peak Height (A): 0.286
Background Pk Area (A-s): 0.244 Background Pk Height (A): 0.245
Blank Corrected Pk Area (A-s): 0.218
Concentration (ug/L): 42.58 Corrected Conc (ug/L): 47.31

Replicate 2 Time: 13:57
Peak Area (A-s): 0.223 Peak Height (A): 0.293
Background Pk Area (A-s): 0.242 Background Pk Height (A): 0.242
Blank Corrected Pk Area (A-s): 0.223
Concentration (ug/L): 43.80 Corrected Conc (ug/L): 48.67

Mean Conc (ug/L): 43.19 SD: 0.867 RSD(%): 2.01

357

17

Corrected Conc (ug/L): 47.99

T1 ID: CCV5 Seq. No.: 00047 A/S Pos.: 26 Date: 05/15/92

Replicate 1 Time: 13:59
 Peak Area (A-s): 0.260 Peak Height (A): 0.408
 Background Pk Area (A-s): 0.215 Background Pk Height (A): 0.286
 Blank Corrected Pk Area (A-s): 0.260
 Concentration (ug/L): 52.40

Replicate 2 Time: 14:01
 Peak Area (A-s): 0.237 Peak Height (A): 0.362
 Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.263
 Blank Corrected Pk Area (A-s): 0.236
 Concentration (ug/L): 46.81

Mean Conc (ug/L): 49.57 SD: 3.947 RSD(%): 7.96

DATACHEM LABORATORIES - GFAA ANALYSIS

T1 ID: CCB5 Seq. No.: 00048 A/S Pos.: 27 Date: 05/15/92

Replicate 1 Time: 14:03
 Peak Area (A-s): 0.001 Peak Height (A): 0.015
 Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.093
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.18

Replicate 2 Time: 14:05
 Peak Area (A-s): 0.002 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.088
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.21

Mean Conc (ug/L): 0.20 SD: 0.021 RSD(%): 10.75

T1 ID: MERA27 Seq. No.: 00049 A/S Pos.: 28 Date: 05/15/92

Replicate 1 Time: 14:07
 Peak Area (A-s): 0.001 Peak Height (A): 0.011
 Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.127
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.04 Corrected Conc (ug/L): 0.05

Replicate 2 Time: 14:09
 Peak Area (A-s): -0.000 Peak Height (A): 0.014
 Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.125
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.12 Corrected Conc (ug/L): -0.13

Mean Conc (ug/L): -0.04 SD: 0.115 RSD(%): 291.36
 Corrected Conc (ug/L): -0.04

T1 ID: MERA27A Seq. No.: 00050 A/S Pos.: 29 Date: 05/15/92

Replicate 1 Time: 14:12
 Peak Area (A-s): 0.087 Peak Height (A): 0.123

358

Background Pk Area (A-s): 0.196 Background Pk Height (A): 0.163
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 15.82 Corrected Conc (ug/L): 17.58

18

Replicate 2 Time: 14:14
Peak Area (A-s): 0.088 Peak Height (A): 0.127
Background Pk Area (A-s): 0.189 Background Pk Height (A): 0.165
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 16.08 Corrected Conc (ug/L): 17.87

Mean Conc (ug/L): 15.95 SD: 0.186 RSD(%): 1.17
Corrected Conc (ug/L): 17.72

T1 ID: MERA28 Seq. No.: 00051 A/S Pos.: 30 Date: 05/15/92

Replicate 1 Time: 14:16
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.31 Corrected Conc (ug/L): 0.34

Replicate 2 Time: 14:18
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.101
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.28 Corrected Conc (ug/L): 0.31

Mean Conc (ug/L): 0.29 SD: 0.020 RSD(%): 6.72
Corrected Conc (ug/L): 0.32

T1 ID: MERA28A Seq. No.: 00052 A/S Pos.: 31 Date: 05/15/92

Replicate 1 Time: 14:20
Peak Area (A-s): 0.106 Peak Height (A): 0.168
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 19.38 Corrected Conc (ug/L): 21.53

Replicate 2 Time: 14:22
Peak Area (A-s): 0.107 Peak Height (A): 0.164
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.151
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 19.73 Corrected Conc (ug/L): 21.92

Mean Conc (ug/L): 19.56 SD: 0.249 RSD(%): 1.27
Corrected Conc (ug/L): 21.73

DATACHEM LABORATORIES — GFAA ANALYSIS

T1 ID: CCY6 Seq. No.: 00053 A/S Pos.: 32 Date: 05/15/92

Replicate 1 Time: 14:24
Peak Area (A-s): 0.262 Peak Height (A): 0.407
Background Pk Area (A-s): 0.214 Background Pk Height (A): 0.271
Blank Corrected Pk Area (A-s): 0.262
Concentration (ug/L): 52.85

Replicate 2 Time: 14:26

359

19

Peak Area (A-s): 0.244 Peak Height (A): 0.382
Background Pk Area (A-s): 0.202 Background Pk Height (A): 0.257
Blank Corrected Pk Area (A-s): 0.244
Concentration (ug/L): 48.50

Mean Conc (ug/L): 50.66 SD: 3.070 RSD(%): 6.06

T1 ID: CCB6 Seq. No.: 00054 A/S Pos.: 33 Date: 05/15/92

Replicate 1 Time: 14:28
Peak Area (A-s): 0.000 Peak Height (A): 0.064
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.02

Replicate 2 Time: 14:30
Peak Area (A-s): 0.006 Peak Height (A): 0.014
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.00

Mean Conc (ug/L): 0.51 SD: 0.694 RSD(%): 136.81

DATAChem LABORATORIES - GFAA ANALYSIS

Element File: AA2TL.GEL Element: T1 Wavelength: 276.8
 Date: 05/18/92 Time: 09:19 Slit: 0.7 L
 Data File: MERA01T2.DAT ID/Wt File: MERA01T2.IDW Lamp Current: 12
 Technique: HGA Calib. Type: Nonlinear Energy: 53

T1 ID: S0 Seq. No.: 00001 A/S Pos.: 1 Date: 05/18/92

Replicate 1 Time: 09:19
 Peak Area (A-s): 0.001 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.091 Background Pk Height (A): 0.083
 Blank Corrected Pk Area (A-s): 0.001

Replicate 2 Time: 09:21
 Peak Area (A-s): 0.001 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.091
 Blank Corrected Pk Area (A-s): 0.001

Mean Pk Area (A-s): 0.001 SD: 0.0001 RSD(%): 17.71

Auto-zero performed.

T1 ID: S10 Seq. No.: 00002 A/S Pos.: 2 Date: 05/18/92

Replicate 1 Time: 09:23
 Peak Area (A-s): 0.049 Peak Height (A): 0.075
 Background Pk Area (A-s): 0.129 Background Pk Height (A): 0.111
 Blank Corrected Pk Area (A-s): 0.048

Replicate 2 Time: 09:25
 Peak Area (A-s): 0.052 Peak Height (A): 0.076
 Background Pk Area (A-s): 0.125 Background Pk Height (A): 0.113
 Blank Corrected Pk Area (A-s): 0.052

Mean Pk Area (A-s): 0.050 SD: 0.0025 RSD(%): 5.05

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0050

T1 ID: S20 Seq. No.: 00003 A/S Pos.: 3 Date: 05/18/92

Replicate 1 Time: 09:27
 Peak Area (A-s): 0.104 Peak Height (A): 0.143
 Background Pk Area (A-s): 0.154 Background Pk Height (A): 0.132
 Blank Corrected Pk Area (A-s): 0.103
 Concentration (ug/L): 20.73

Replicate 2 Time: 09:29
 Peak Area (A-s): 0.107 Peak Height (A): 0.140
 Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.129
 Blank Corrected Pk Area (A-s): 0.106
 Concentration (ug/L): 21.37

Mean Conc (ug/L): 21.05 SD: 0.459 RSD(%): 2.18

DATACHEM LABORATORIES - GFAA ANALYSIS

✓
 AAS
 05/20/92

Date = 05-18-92
 Analyte = Thallium
 SDG = MERA 01
 Case = 19026
Samples = MERA 01-10
Run # 435-5-18-92
Samples = EL 1385 - EL 1386
DCL ID = S92-0240
 Instrument = AAS-ZEB
 Data file = MERA 01T2
 Analyst = Tanya Cheklin

2

Correlation coefficient: 1.00000 Slope: 0.0047

T1 ID: S50 Seq. No.: 00004 A/S Pos.: 4 Date: 05/18/92

Replicate 1 Time: 09:31
 Peak Area (A-s): 0.242 Peak Height (A): 0.309
 Background Pk Area (A-s): 0.221 Background Pk Height (A): 0.192
 Blank Corrected Pk Area (A-s): 0.241
 Concentration (ug/L): 40.89

Replicate 2 Time: 09:33
 Peak Area (A-s): 0.243 Peak Height (A): 0.311
 Background Pk Area (A-s): 0.220 Background Pk Height (A): 0.188
 Blank Corrected Pk Area (A-s): 0.242
 Concentration (ug/L): 41.06

Mean Conc (ug/L): 40.97 SD: 0.115 RSD(%): 0.28

S-shaped calibration curve detected. 2-coef. equation used.

Standard number 3 applied. [50.00]

Correlation coefficient: 0.99948 Slope: 0.0052

T1 ID: S100 Seq. No.: 00005 A/S Pos.: 5 Date: 05/18/92

Replicate 1 Time: 09:36
 Peak Area (A-s): 0.437 Peak Height (A): 0.510
 Background Pk Area (A-s): 0.333 Background Pk Height (A): 0.335
 Blank Corrected Pk Area (A-s): 0.436
 Concentration (ug/L): 94.43

Replicate 2 Time: 09:38
 Peak Area (A-s): 0.437 Peak Height (A): 0.490
 Background Pk Area (A-s): 0.333 Background Pk Height (A): 0.337
 Blank Corrected Pk Area (A-s): 0.437
 Concentration (ug/L): 94.46

Mean Conc (ug/L): 94.44 SD: 0.022 RSD(%): 0.02

Standard number 4 applied. [100.00]

Correlation coefficient: 0.66190 Slope: 0.0051

DATAChem LABORATORIES -- GFAA ANALYSIS

T1 ID: ICV₂ Seq. No.: 00006 A/S Pos.: 6 Date: 05/18/92

Replicate 1 Time: 09:40
 Peak Area (A-s): 0.253 Peak Height (A): 0.325
 Background Pk Area (A-s): 0.220 Background Pk Height (A): 0.190
 Blank Corrected Pk Area (A-s): 0.252
 Concentration (ug/L): 50.22

Replicate 2 Time: 09:42
 Peak Area (A-s): 0.250 Peak Height (A): 0.319
 Background Pk Area (A-s): 0.216 Background Pk Height (A): 0.194
 Blank Corrected Pk Area (A-s): 0.249
 Concentration (ug/L): 49.64

*ICV, for samples EL 1385-
EL 1386*

T.C. 5-18-92

362

T1 ID: ICB 2 Seq. No.: 00007 A/S Pos.: 7 Date: 05/18/92

Replicate 1 Time: 09:44
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.107 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.30

Replicate 2 Time: 09:46
Peak Area (A-s): -0.000 Peak Height (A): 0.011
Background Pk Area (A-s): 0.105 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.20

Mean Conc (ug/L): 0.05 SD: 0.357 RSD(%): 707.95

T1 ID: CCV 7 Seq. No.: 00008 A/S Pos.: 8 Date: 05/18/92

Replicate 1 Time: 09:48
Peak Area (A-s): 0.245 Peak Height (A): 0.315
Background Pk Area (A-s): 0.224 Background Pk Height (A): 0.187
Blank Corrected Pk Area (A-s): 0.244
Concentration (ug/L): 48.53

Replicate 2 Time: 09:50
Peak Area (A-s): 0.242 Peak Height (A): 0.305
Background Pk Area (A-s): 0.220 Background Pk Height (A): 0.186
Blank Corrected Pk Area (A-s): 0.241
Concentration (ug/L): 47.91

Mean Conc (ug/L): 48.22 SD: 0.440 RSD(%): 0.91

T1 ID: CCB 7 Seq. No.: 00009 A/S Pos.: 9 Date: 05/18/92

Replicate 1 Time: 09:53
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.105 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.63

Replicate 2 Time: 09:55
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.107 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.23

Mean Conc (ug/L): 0.43 SD: 0.285 RSD(%): 65.92

T1 ID: CRA 2 Seq. No.: 00010 A/S Pos.: 10 Date: 05/18/92

Replicate 1 Time: 09:57
Peak Area (A-s): 0.005 Peak Height (A): 0.024

ICB, for samples EL 1385-1386

T.C. 5/18/92

CCV, for samples EL 1385-EL 1386

T.C. 5/18/92

DATACHEM LABORATORIES -- GFAA ANALYSIS

CCB, for samples EL 1385-EL 1386

T.C. 5/18/92

363

Background Pk Area (A-s): 0.129
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 10.80

Background Pk Height (A): 0.109

4

Replicate 2
Peak Area (A-s): 0.054
Background Pk Area (A-s): 0.133
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 10.41

Mean Conc (ug/L): 10.60 SD: 0.277 RSD(%): 2.61

CRA, for samples

EL 1385-1386

T.C.

5/18/92

T1 ID: PBS(MERA01) Seq. No.: 00011 A/S Pos.: 11 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.131
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.16

Time: 10:01
Peak Height (A): 0.013
Background Pk Height (A): 0.133
Corrected Conc (ug/L): 0.16

Replicate 2
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.143
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.62

Time: 10:03
Peak Height (A): 0.009
Background Pk Height (A): 0.144
Corrected Conc (ug/L): -0.62

Mean Conc (ug/L): -0.23 SD: 0.552 RSD(%): 242.18
Corrected Conc (ug/L): -0.23

T1 ID: PBSA Seq. No.: 00012 A/S Pos.: 12 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.110
Background Pk Area (A-s): 0.189
Blank Corrected Pk Area (A-s): 0.109
Concentration (ug/L): 21.49

Time: 10:05
Peak Height (A): 0.125
Background Pk Height (A): 0.187
Corrected Conc (ug/L): 21.49

Replicate 2
Peak Area (A-s): 0.108
Background Pk Area (A-s): 0.188
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 21.20

Time: 10:07
Peak Height (A): 0.126
Background Pk Height (A): 0.175
Corrected Conc (ug/L): 21.20

Mean Conc (ug/L): 21.35 SD: 0.201 RSD(%): 0.94
Corrected Conc (ug/L): 21.35

DATACHEM LABORATORIES - GFAA ANALYSIS

T1 ID: LCSS-5X Seq. No.: 00013 A/S Pos.: 13 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.214
Background Pk Area (A-s): 0.257
Blank Corrected Pk Area (A-s): 0.214
Concentration (ug/L): 42.39

Time: 10:10
Peak Height (A): 0.260
Background Pk Height (A): 0.226
Corrected Conc (ug/L): 212.0

Replicate 2 Time: 10:12

364

Peak Area (A-s): 0.212 Peak Height (A): 0.261
Background Pk Area (A-s): 0.276 Background Pk Height (A): 0.239
Blank Corrected Pk Area (A-s): 0.211
Concentration (ug/L): 41.94 Corrected Conc (ug/L): 209.7

5

Mean Conc (ug/L): 42.17 SD: 0.320 RSD(%): 0.76
Corrected Conc (ug/L): 210.8

T1 ID: LCSSA-5X Seq. No.: 00014 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 10:14
Peak Area (A-s): 0.297 Peak Height (A): 0.358
Background Pk Area (A-s): 0.315 Background Pk Height (A): 0.289
Blank Corrected Pk Area (A-s): 0.297
Concentration (ug/L): 59.40 Corrected Conc (ug/L): 297.0

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 10:16
Peak Area (A-s): 0.295 Peak Height (A): 0.353
Background Pk Area (A-s): 0.318 Background Pk Height (A): 0.283
Blank Corrected Pk Area (A-s): 0.294
Concentration (ug/L): 58.93 Corrected Conc (ug/L): 294.64

Mean Conc (ug/L): 59.16 SD: 0.331 RSD(%): 0.56
Corrected Conc (ug/L): 295.8

T1 ID: MERA01 Seq. No.: 00015 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 10:18
Peak Area (A-s): 0.064 Peak Height (A): 0.105
Background Pk Area (A-s): 0.807 Background Pk Height (A): 1.515
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 12.55 Corrected Conc (ug/L): 12.55

Replicate 2 Time: 10:20
Peak Area (A-s): 0.061 Peak Height (A): 0.104
Background Pk Area (A-s): 0.869 Background Pk Height (A): 1.555
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 11.86 Corrected Conc (ug/L): 11.86

Mean Conc (ug/L): 12.21 SD: 0.490 RSD(%): 4.02
Corrected Conc (ug/L): 12.21

T1 ID: MERA01A Seq. No.: 00016 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 10:22
Peak Area (A-s): 0.155 Peak Height (A): 0.251
Background Pk Area (A-s): 0.883 Background Pk Height (A): 1.571
Blank Corrected Pk Area (A-s): 0.154
Concentration (ug/L): 30.55 Corrected Conc (ug/L): 30.55

Replicate 2 Time: 10:24
Peak Area (A-s): 0.157 Peak Height (A): 0.252
Background Pk Area (A-s): 0.864 Background Pk Height (A): 1.565
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 30.88 Corrected Conc (ug/L): 30.88

365

Mean Conc (ug/L): 30.71 SD: 0.239 RSD(%): 0.78
Corrected Conc (ug/L): 30.71

6

T1 ID: MERA02 Seq. No.: 00017 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 10:26
Peak Area (A-s): 0.022 Peak Height (A): 0.029
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 4.25 Corrected Conc (ug/L): 4.25

Replicate 2 Time: 10:28
Peak Area (A-s): 0.022 Peak Height (A): 0.030
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 4.22 Corrected Conc (ug/L): 4.22

Mean Conc (ug/L): 4.23 SD: 0.022 RSD(%): 0.52
Corrected Conc (ug/L): 4.23

T1 ID: MERA02A Seq. No.: 00018 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 10:30
Peak Area (A-s): 0.133 Peak Height (A): 0.142
Background Pk Area (A-s): 0.135 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 26.20 Corrected Conc (ug/L): 26.20

Replicate 2 Time: 10:32
Peak Area (A-s): 0.134 Peak Height (A): 0.146
Background Pk Area (A-s): 0.133 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 26.33 Corrected Conc (ug/L): 26.33

Mean Conc (ug/L): 26.27 SD: 0.085 RSD(%): 0.32
Corrected Conc (ug/L): 26.27

DATACHEM LABORATORIES - GFAA ANALYSIS

T1 ID: MERA02S Seq. No.: 00019 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 10:34
Peak Area (A-s): 0.279 Peak Height (A): 0.300
Background Pk Area (A-s): 0.198 Background Pk Height (A): 0.158
Blank Corrected Pk Area (A-s): 0.278
Concentration (ug/L): 55.55 Corrected Conc (ug/L): 55.55

Replicate 2 Time: 10:36
Peak Area (A-s): 0.281 Peak Height (A): 0.295
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): 0.280
Concentration (ug/L): 55.98 Corrected Conc (ug/L): 55.98

Mean Conc (ug/L): 55.77 SD: 0.307 RSD(%): 0.55
Corrected Conc (ug/L): 55.77

366

T1 ID: CCV8 Seq. No.: 00020 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 10:38
Peak Area (A-s): 0.243 Peak Height (A): 0.304

Background Pk Area (A-s): 0.227 Background Pk Height (A): 0.195
Blank Corrected Pk Area (A-s): 0.243
Concentration (ug/L): 48.28

Replicate 2 Time: 10:40
Peak Area (A-s): 0.238 Peak Height (A): 0.308
Background Pk Area (A-s): 0.233 Background Pk Height (A): 0.198
Blank Corrected Pk Area (A-s): 0.237
Concentration (ug/L): 47.09

Mean Conc (ug/L): 47.68 SD: 0.840 RSD(%): 1.76

T1 ID: CCB8 Seq. No.: 00021 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 10:42
Peak Area (A-s): -0.001 Peak Height (A): 0.010
Background Pk Area (A-s): 0.121 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.42

Replicate 2 Time: 10:44
Peak Area (A-s): 0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.123 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.01

Mean Conc (ug/L): -0.21 SD: 0.288 RSD(%): 136.35

T1 ID: S0 Seq. No.: 00022 A/S Pos.: 1 Date: 05/18/92

Replicate 1 Time: 10:46
Peak Area (A-s): 0.000 Peak Height (A): 0.014
Background Pk Area (A-s): 0.119 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.16

Replicate 2 Time: 10:48
Peak Area (A-s): 0.000 Peak Height (A): 0.010
Background Pk Area (A-s): 0.119 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.12

Mean Conc (ug/L): -0.14 SD: 0.030 RSD(%): 21.28

Auto-zero performed.

T1 ID: Reslope Seq. No.: 00023 A/S Pos.: 37 Date: 05/18/92

Replicate 1 Time: 10:50
Peak Area (A-s): 0.232 Peak Height (A): 0.313
Background Pk Area (A-s): 0.230 Background Pk Height (A): 0.188

CCV₂ for samples
EL 1385-1386

T.C. 5/18/92

DATACHEM LABORATORIES — GFAA ANALYSIS

CCB₂ for samples
EL 1385-1386

T.C. 5/18/92

Data not used.
Reslope.

5-18-92

T.C.

367

Blank Corrected Pk Area (A-s): 0.232
Concentration (ug/L): 46.15

Replicate 2 Time: 10:52
Peak Area (A-s): 0.236 Peak Height (A): 0.315

Background Pk Area (A-s): 0.228 Background Pk Height (A): 0.193
Blank Corrected Pk Area (A-s): 0.236
Concentration (ug/L): 46.88

Mean Conc (ug/L): 46.52 SD: 0.516 RSD(%): 1.11

Reslope standard applied. [50.00]
Correlation coefficient: 0.66190 Slope: 0.0051

8
Data not used.
Reslope.

5-15-92

T.C.

T1 ID: CCV9 Seq. No.: 00024 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 10:54
Peak Area (A-s): 0.233 Peak Height (A): 0.312
Background Pk Area (A-s): 0.224 Background Pk Height (A): 0.198
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 49.86

CCV₃ for samples
EL 1385- 1386
T.C. 5/18/92

Replicate 2 Time: 10:56
Peak Area (A-s): 0.233 Peak Height (A): 0.323
Background Pk Area (A-s): 0.225 Background Pk Height (A): 0.194
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 49.80

Mean Conc (ug/L): 49.83 SD: 0.043 RSD(%): 0.09

DATACHEM LABORATORIES -- GFAA ANALYSIS

T1 ID: CCB9 Seq. No.: 00025 A/S Pos.: 21 Date: 05/18/92

Replicate 1 Time: 10:58
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.33

CCB₃ for samples
EL 1385- 1386
T.C.

Replicate 2 Time: 11:00
Peak Area (A-s): -0.000 Peak Height (A): 0.011
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.08

Mean Conc (ug/L): 0.13 SD: 0.291 RSD(%): 226.97

T1 ID: MERA02D Seq. No.: 00026 A/S Pos.: 22 Date: 05/18/92

Replicate 1 Time: 11:02
Peak Area (A-s): 0.014 Peak Height (A): 0.026
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.98 Corrected Conc (ug/L): 2.98

368

Replicate 2 Time: 11:04
Peak Area (A-s): 0.019 Peak Height (A): 0.028

Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 4.00 Corrected Conc (ug/L): 4.00

Mean Conc (ug/L): 3.49 SD: 0.719 RSD(%): 20.61

9

Corrected Conc (ug/L): 3.49

T1 ID: MERA02DA Seq. No.: 00027 A/S Pos.: 23 Date: 05/18/92

Replicate 1 Time: 11:06
Peak Area (A-s): 0.124 Peak Height (A): 0.144
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 26.38 Corrected Conc (ug/L): 26.38

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 11:08
Peak Area (A-s): 0.125 Peak Height (A): 0.144
Background Pk Area (A-s): 0.110 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.125
Concentration (ug/L): 26.46 Corrected Conc (ug/L): 26.46

Mean Conc (ug/L): 26.42 SD: 0.058 RSD(%): 0.22
Corrected Conc (ug/L): 26.42

T1 ID: MERA03 Seq. No.: 00028 A/S Pos.: 24 Date: 05/18/92

Replicate 1 Time: 11:10
Peak Area (A-s): 0.014 Peak Height (A): 0.021
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.89 Corrected Conc (ug/L): 2.89

Replicate 2 Time: 11:12
Peak Area (A-s): 0.015 Peak Height (A): 0.018
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 3.25 Corrected Conc (ug/L): 3.25

Mean Conc (ug/L): 3.07 SD: 0.255 RSD(%): 8.31
Corrected Conc (ug/L): 3.07

T1 ID: MERA03A Seq. No.: 00029 A/S Pos.: 25 Date: 05/18/92

Replicate 1 Time: 11:14
Peak Area (A-s): 0.118 Peak Height (A): 0.127
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.118
Concentration (ug/L): 25.09 Corrected Conc (ug/L): 25.09

Replicate 2 Time: 11:16
Peak Area (A-s): 0.116 Peak Height (A): 0.131
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.116
Concentration (ug/L): 24.67 Corrected Conc (ug/L): 24.67

Mean Conc (ug/L): 24.88 SD: 0.298 RSD(%): 1.20

369

Corrected Conc (ug/L): 24.88

T1 ID: MERA04 Seq. No.: 00030 A/S Pos.: 26 Date: 05/18/92

10

Replicate 1 Time: 11:18
Peak Area (A-s): 0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.382 Background Pk Height (A): 0.282
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.25 Corrected Conc (ug/L): 0.25

Replicate 2 Time: 11:20
Peak Area (A-s): 0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.366 Background Pk Height (A): 0.283
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.18 Corrected Conc (ug/L): 0.18

Mean Conc (ug/L): 0.21 SD: 0.049 RSD(%): 23.29
Corrected Conc (ug/L): 0.21

T1 ID: MERA04A Seq. No.: 00031 A/S Pos.: 27 Date: 05/18/92

Replicate 1 Time: 11:22
Peak Area (A-s): 0.100 Peak Height (A): 0.126
Background Pk Area (A-s): 0.361 Background Pk Height (A): 0.268
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 21.27 Corrected Conc (ug/L): 21.27

Replicate 2 Time: 11:24
Peak Area (A-s): 0.099 Peak Height (A): 0.122
Background Pk Area (A-s): 0.369 Background Pk Height (A): 0.267
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 20.98 Corrected Conc (ug/L): 20.98

Mean Conc (ug/L): 21.13 SD: 0.202 RSD(%): 0.96
Corrected Conc (ug/L): 21.13

T1 ID: MERA05 Seq. No.: 00032 A/S Pos.: 28 Date: 05/18/92

Replicate 1 Time: 11:26
Peak Area (A-s): 0.001 Peak Height (A): 0.019
Background Pk Area (A-s): 0.283 Background Pk Height (A): 0.518
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.15 Corrected Conc (ug/L): 0.15

Replicate 2 Time: 11:28
Peak Area (A-s): -0.000 Peak Height (A): 0.009
Background Pk Area (A-s): 0.293 Background Pk Height (A): 0.535
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.09 Corrected Conc (ug/L): -0.09

Mean Conc (ug/L): 0.03 SD: 0.172 RSD(%): 534.58
Corrected Conc (ug/L): 0.03

DATACHEM LABORATORIES — GFAA ANALYSIS

370

T1 ID: MERA05A Seq. No.: 00033 A/S Pos.: 29 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.086
Background Pk Area (A-s): 0.311
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 18.14

Time: 11:30
Peak Height (A): 0.129
Background Pk Height (A): 0.581
Corrected Conc (ug/L): 18.14

11

Replicate 2
Peak Area (A-s): 0.085
Background Pk Area (A-s): 0.312
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 17.92

Time: 11:33
Peak Height (A): 0.129
Background Pk Height (A): 0.565
Corrected Conc (ug/L): 17.92

Mean Conc (ug/L): 18.03
Corrected Conc (ug/L): 18.03

SD: 0.155 RSD(%): 0.86

DATAChem LABORATORIES - GFAA ANALYSIS

T1 ID: MERA06 Seq. No.: 00034 A/S Pos.: 30 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.242
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.09

Time: 11:35
Peak Height (A): 0.012
Background Pk Height (A): 0.534
Corrected Conc (ug/L): 0.09

Replicate 2
Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.242
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.56

Time: 11:37
Peak Height (A): 0.012
Background Pk Height (A): 0.534
Corrected Conc (ug/L): 0.56

Mean Conc (ug/L): 0.32
Corrected Conc (ug/L): 0.32

SD: 0.334 RSD(%): 103.62

T1 ID: MERA06A Seq. No.: 00035 A/S Pos.: 31 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.088
Background Pk Area (A-s): 0.276
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 18.66

Time: 11:39
Peak Height (A): 0.129
Background Pk Height (A): 0.572
Corrected Conc (ug/L): 18.66

Replicate 2
Peak Area (A-s): 0.090
Background Pk Area (A-s): 0.277
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 19.10

Time: 11:41
Peak Height (A): 0.133
Background Pk Height (A): 0.599
Corrected Conc (ug/L): 19.10

Mean Conc (ug/L): 18.88
Corrected Conc (ug/L): 18.88

SD: 0.309 RSD(%): 1.64

T1 ID: CCV 10 Seq. No.: 00036 A/S Pos.: 32 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.226
Background Pk Area (A-s): 0.216
Blank Corrected Pk Area (A-s): 0.226
Concentration (ug/L): 48.17

Time: 11:43
Peak Height (A): 0.316
Background Pk Height (A): 0.213
Corrected Conc (ug/L): 48.17

CCV for samples

EL 1385-1386

T.C. 5/18/92

371

Replicate 2
Peak Area (A-s): 0.259
Background Pk Area (A-s): 0.212
Blank Corrected Pk Area (A-s): 0.259
Concentration (ug/L): 55.44

12

Mean Conc (ug/L): 51.80 SD: 5.141 RSD(%): 9.92

T1 ID: CCB 10 Seq. No.: 00037 A/S Pos.: 33 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.107
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.05

CCB₄ for samples

EL 1385-1386

T. C. 5/18/92

Replicate 2
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.108
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.16

Mean Conc (ug/L): -0.06 SD: 0.148 RSD(%): 251.32

T1 ID: MERA07 Seq. No.: 00038 A/S Pos.: 11 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.194
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.39

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.193
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.05

Mean Conc (ug/L): 0.22 SD: 0.238 RSD(%): 107.65
Corrected Conc (ug/L): 0.22

T1 ID: MERA07A Seq. No.: 00039 A/S Pos.: 12 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.088
Background Pk Area (A-s): 0.235
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 18.71

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2
Peak Area (A-s): 0.089
Background Pk Area (A-s): 0.225
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 18.89

Mean Conc (ug/L): 18.80 SD: 0.126 RSD(%): 0.67
Corrected Conc (ug/L): 18.80

372

T1 ID: MERA08 Seq. No.: 00040 A/S Pos.: 13 Date: 05/18/92

Replicate 1 Time: 12:00

13

Peak Area (A-s): 0.006 Peak Height (A): 0.017
Background Pk Area (A-s): 0.217 Background Pk Height (A): 0.149
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.33 Corrected Conc (ug/L): 1.33

Replicate 2 Time: 12:02
Peak Area (A-s): 0.010 Peak Height (A): 0.021
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 2.16 Corrected Conc (ug/L): 2.16

Mean Conc (ug/L): 1.75 SD: 0.587 RSD(%): 33.57
Corrected Conc (ug/L): 1.75

T1 ID: MERA08A Seq. No.: 00041 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 12:04
Peak Area (A-s): 0.104 Peak Height (A): 0.139
Background Pk Area (A-s): 0.244 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 22.12 Corrected Conc (ug/L): 22.12

Replicate 2 Time: 12:06
Peak Area (A-s): 0.106 Peak Height (A): 0.144
Background Pk Area (A-s): 0.236 Background Pk Height (A): 0.184
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 22.47 Corrected Conc (ug/L): 22.47

Mean Conc (ug/L): 22.30 SD: 0.253 RSD(%): 1.14
Corrected Conc (ug/L): 22.30

DATACHEM LABORATORIES -- GFAA ANALYSIS

T1 ID: MERA09 Seq. No.: 00042 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 12:08
Peak Area (A-s): 0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.175 Background Pk Height (A): 0.155
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.11 Corrected Conc (ug/L): 1.11

Replicate 2 Time: 12:10
Peak Area (A-s): 0.007 Peak Height (A): 0.015
Background Pk Area (A-s): 0.169 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 1.54 Corrected Conc (ug/L): 1.54

Mean Conc (ug/L): 1.33 SD: 0.306 RSD(%): 23.06
Corrected Conc (ug/L): 1.33

T1 ID: MERA09A Seq. No.: 00043 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 12:12

373

Peak Area (A-s): 0.100
Background Pk Area (A-s): 0.208
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 21.29

Peak Height (A): 0.135
Background Pk Height (A): 0.193
Corrected Conc (ug/L): 21.29

14

Replicate 2
Peak Area (A-s): 0.101
Background Pk Area (A-s): 0.198
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 21.42

Time: 12:14
Peak Height (A): 0.143
Background Pk Height (A): 0.198
Corrected Conc (ug/L): 21.42

Mean Conc (ug/L): 21.36 SD: 0.095 RSD(%): 0.44
Corrected Conc (ug/L): 21.36

T1 ID: MERA10 Seq. No.: 00044 A/S Pos.: 17 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.015
Background Pk Area (A-s): 0.271
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 3.08

Time: 12:18
Peak Height (A): 0.029
Background Pk Height (A): 0.266
Corrected Conc (ug/L): 3.08

Replicate 2
Peak Area (A-s): 0.014
Background Pk Area (A-s): 0.274
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.94

Time: 12:20
Peak Height (A): 0.026
Background Pk Height (A): 0.265
Corrected Conc (ug/L): 2.94

Mean Conc (ug/L): 3.01 SD: 0.103 RSD(%): 3.43
Corrected Conc (ug/L): 3.01

T1 ID: MERA10A Seq. No.: 00045 A/S Pos.: 18 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.108
Background Pk Area (A-s): 0.303
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 22.92

Time: 12:22
Peak Height (A): 0.149
Background Pk Height (A): 0.287
Corrected Conc (ug/L): 22.92

Replicate 2
Peak Area (A-s): 0.106
Background Pk Area (A-s): 0.299
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 22.58

Time: 12:24
Peak Height (A): 0.151
Background Pk Height (A): 0.285
Corrected Conc (ug/L): 22.58

Mean Conc (ug/L): 22.75 SD: 0.237 RSD(%): 1.04
Corrected Conc (ug/L): 22.75

DATACHEM LABORATORIES - GFAA ANALYSIS

T1 ID: MERA11 Seq. No.: 00046 A/S Pos.: 19 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.014
Background Pk Area (A-s): 0.319
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 2.86

Time: 12:26
Peak Height (A): 0.026
Background Pk Height (A): 0.482
Corrected Conc (ug/L): 2.86

374

Replicate 2
Peak Area (A-s): 0.015
Background Pk Area (A-s): 0.313
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 3.20

Time: 12:27
Peak Height (A): 0.030
Background Pk Height (A): 0.477
Corrected Conc (ug/L): 3.20

15

Mean Conc (ug/L): 3.03 SD: 0.240 RSD(%): 7.93
Corrected Conc (ug/L): 3.03

T1 ID: MERA11A Seq. No.: 00047 A/S Pos.: 20 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.096
Background Pk Area (A-s): 0.343
Blank Corrected Pk Area (A-s): 0.096
Concentration (ug/L): 20.38

Time: 12:29
Peak Height (A): 0.150
Background Pk Height (A): 0.507

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2
Peak Area (A-s): 0.099
Background Pk Area (A-s): 0.334
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 20.91

Time: 12:31
Peak Height (A): 0.150
Background Pk Height (A): 0.496

Mean Conc (ug/L): 20.65 SD: 0.374 RSD(%): 1.81

T1 ID: CCV // Seq. No.: 00048 A/S Pos.: 21 Date: 05/18/92

Replicate 1
Peak Area (A-s): 0.228
Background Pk Area (A-s): 0.197
Blank Corrected Pk Area (A-s): 0.228
Concentration (ug/L): 48.73

Time: 12:33
Peak Height (A): 0.337
Background Pk Height (A): 0.217

CCV5 for samples
EL 1385-1386
T.C. 5/18/92

Replicate 2
Peak Area (A-s): 0.225
Background Pk Area (A-s): 0.202
Blank Corrected Pk Area (A-s): 0.225
Concentration (ug/L): 48.01

Time: 12:35
Peak Height (A): 0.329
Background Pk Height (A): 0.206

Mean Conc (ug/L): 48.37 SD: 0.511 RSD(%): 1.06

T1 ID: CCB // Seq. No.: 00049 A/S Pos.: 22 Date: 05/18/92

Replicate 1
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.095
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.13

Time: 12:37
Peak Height (A): 0.012
Background Pk Height (A): 0.090

CCB5 for samples
EL 1385-1386
T.C. 5/18/92

Replicate 2
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.104
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.27

Time: 12:39
Peak Height (A): 0.010
Background Pk Height (A): 0.093

Mean Conc (ug/L): -0.20 SD: 0.101 RSD(%): 50.74

375

End of the run for SDG MERA 01

T1 ID: PBS(EL1385) Seq. No.: 00050 A/S Pos.: 11 Date: 05/18/92

Replicate 1 Time: 12:43
Peak Area (A-s): -0.001 Peak Height (A): 0.012

16

Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.28 Corrected Conc (ug/L): -0.28

Replicate 2 Time: 12:45
Peak Area (A-s): -0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.102 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.30 Corrected Conc (ug/L): -0.30

Mean Conc (ug/L): -0.29 SD: 0.013 RSD(%): 4.34
Corrected Conc (ug/L): -0.29

T1 ID: LCSS-5X Seq. No.: 00051 A/S Pos.: 12 Date: 05/18/92

Replicate 1 Time: 12:47
Peak Area (A-s): 0.159 Peak Height (A): 0.234
Background Pk Area (A-s): 0.207 Background Pk Height (A): 0.178
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 33.84 Corrected Conc (ug/L): 169.2

Replicate 2 Time: 12:49
Peak Area (A-s): 0.167 Peak Height (A): 0.238
Background Pk Area (A-s): 0.215 Background Pk Height (A): 0.180
Blank Corrected Pk Area (A-s): 0.167
Concentration (ug/L): 35.59 Corrected Conc (ug/L): 177.9

Mean Conc (ug/L): 34.71 SD: 1.240 RSD(%): 3.57
Corrected Conc (ug/L): 173.6

T1 ID: EL1385 Seq. No.: 00052 A/S Pos.: 13 Date: 05/18/92

Replicate 1 Time: 12:51
Peak Area (A-s): 0.024 Peak Height (A): 0.041
Background Pk Area (A-s): 0.439 Background Pk Height (A): 0.486
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 5.10 Corrected Conc (ug/L): 5.10

DATACHEM LABORATORIES - GFAA ANALYSIS

Replicate 2 Time: 12:53
Peak Area (A-s): 0.022 Peak Height (A): 0.039
Background Pk Area (A-s): 0.437 Background Pk Height (A): 0.479
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 4.64 Corrected Conc (ug/L): 4.64

Mean Conc (ug/L): 4.87 SD: 0.321 RSD(%): 6.59
Corrected Conc (ug/L): 4.87

T1 ID: EL1385D Seq. No.: 00053 A/S Pos.: 14 Date: 05/18/92

Replicate 1 Time: 12:55
Peak Area (A-s): 0.036 Peak Height (A): 0.046

376

Background Pk Area (A-s): 0.390 Background Pk Height (A): 0.357
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 7.57 Corrected Conc (ug/L): 7.57

Replicate 2 Time: 12:57

17

Peak Area (A-s): 0.033 Peak Height (A): 0.046
Background Pk Area (A-s): 0.390 Background Pk Height (A): 0.362
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 6.88 Corrected Conc (ug/L): 6.88

Mean Conc (ug/L): 7.22 SD: 0.489 RSD(%): 6.76
Corrected Conc (ug/L): 7.22

T1 ID: EL1385S Seq. No.: 00054 A/S Pos.: 15 Date: 05/18/92

Replicate 1 Time: 12:59
Peak Area (A-s): 0.152 Peak Height (A): 0.175
Background Pk Area (A-s): 0.530 Background Pk Height (A): 0.582
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 32.23 Corrected Conc (ug/L): 32.23

Replicate 2 Time: 13:01
Peak Area (A-s): 0.147 Peak Height (A): 0.181
Background Pk Area (A-s): 0.528 Background Pk Height (A): 0.575
Blank Corrected Pk Area (A-s): 0.147
Concentration (ug/L): 31.17 Corrected Conc (ug/L): 31.17

Mean Conc (ug/L): 31.70 SD: 0.749 RSD(%): 2.36
Corrected Conc (ug/L): 31.70

DATACHEM LABORATORIES - GFAA ANALYSIS

T1 ID: EL1386 Seq. No.: 00055 A/S Pos.: 16 Date: 05/18/92

Replicate 1 Time: 13:03
Peak Area (A-s): 0.028 Peak Height (A): 0.036
Background Pk Area (A-s): 0.457 Background Pk Height (A): 0.450
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 5.81 Corrected Conc (ug/L): 5.81

Replicate 2 Time: 13:05
Peak Area (A-s): 0.026 Peak Height (A): 0.039
Background Pk Area (A-s): 0.452 Background Pk Height (A): 0.448
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 5.38 Corrected Conc (ug/L): 5.38

Mean Conc (ug/L): 5.60 SD: 0.304 RSD(%): 5.43
Corrected Conc (ug/L): 5.60

T1 ID: EL1385S-5X Seq. No.: 00056 A/S Pos.: 17 Date: 05/18/92

Replicate 1 Time: 13:10
Peak Area (A-s): 0.052 Peak Height (A): 0.066
Background Pk Area (A-s): 0.274 Background Pk Height (A): 0.251
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 10.98 Corrected Conc (ug/L): 54.9

Replicate 2 Time: 13:12

377

Peak Area (A-s): 0.053 Peak Height (A): 0.063
Background Pk Area (A-s): 0.281 Background Pk Height (A): 0.253
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 11.24 Corrected Conc (ug/L): 56.2

18

Mean Conc (ug/L): 11.11 SD: 0.178 RSD(%): 1.60
Corrected Conc (ug/L): 55.6

T1 ID: PBS Seq. No.: 00057 A/S Pos.: 18 Date: 05/18/92

Replicate 1 Time: 13:14
Peak Area (A-s): -0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.51 Corrected Conc (ug/L): -0.51

Replicate 2 Time: 13:16
Peak Area (A-s): 0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.24 Corrected Conc (ug/L): 0.24

Mean Conc (ug/L): -0.13 SD: 0.533 RSD(%): 399.16
Corrected Conc (ug/L): -0.13

T1 ID: PBSA Seq. No.: 00058 A/S Pos.: 19 Date: 05/18/92

Replicate 1 Time: 13:18
Peak Area (A-s): 0.094 Peak Height (A): 0.124
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 20.02 Corrected Conc (ug/L): 20.02

Replicate 2 Time: 13:20
Peak Area (A-s): 0.092 Peak Height (A): 0.120
Background Pk Area (A-s): 0.141 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 19.56 Corrected Conc (ug/L): 19.56

Mean Conc (ug/L): 19.79 SD: 0.325 RSD(%): 1.64
Corrected Conc (ug/L): 19.79

T1 ID: CCV 6 Seq. No.: 00059 A/S Pos.: 20 Date: 05/18/92

Replicate 1 Time: 13:22
Peak Area (A-s): 0.236 Peak Height (A): 0.305
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.175
Blank Corrected Pk Area (A-s): 0.236
Concentration (ug/L): 50.43 Corrected Conc (ug/L): 50.43

Replicate 2 Time: 13:23
Peak Area (A-s): 0.237 Peak Height (A): 0.305
Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.177
Blank Corrected Pk Area (A-s): 0.237
Concentration (ug/L): 50.59 Corrected Conc (ug/L): 50.59

DATACHEM LABORATORIES — GFAA ANALYSIS

378

Mean Conc (ug/L): 50.51 SD: 0.115 RSD(%): 0.23

T1 ID: CCB 6 Seq. No.: 00060 A/S Pos.: 21 Date: 05/18/92

19

Replicate 1 Time: 13:25
Peak Area (A-s): -0.000 Peak Height (A): 0.013
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.10

Replicate 2 Time: 13:27
Peak Area (A-s): -0.001 Peak Height (A): 0.009
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.23

Mean Conc (ug/L): -0.16 SD: 0.087 RSD(%): 52.73

DATACHEM LABORATORIES — GFAA ANALYSIS

Element File: FIAS_CLP.MEL Element: Hg2 Wavelength: 253.7
Date: 05/20/92 Time: 10:35 Slit: 0.7
Data File: MERA01H1.DAT ID/Wt File: MERA01H1.IDW Lamp Current: 5
Technique: MHS Calib. Type: Linear Energy: 77

DATACHEM LABORATORIES - MERCURY ANALYSIS
PE3100 AAS-CVC

Hg2 ID: Blank Seq. No.: 00001 A/S Pos.: 9 Date: 05/20/92

Replicate 1 Time: 10:34
Peak Area (A-s): -0.002 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): -0.002

Auto-zero performed.

Hg2 ID: Standard 1 Seq. No.: 00002 A/S Pos.: 10 Date: 05/20/92

Replicate 1 Time: 10:36
Peak Area (A-s): 0.014 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.016

Standard number 1 applied. [0.500]
Correlation coefficient: 1.00000 Slope: 0.0323

Hg2 ID: Standard 2 Seq. No.: 00003 A/S Pos.: 11 Date: 05/20/92

Replicate 1 Time: 10:38
Peak Area (A-s): 0.031 Peak Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 1.037

Standard number 2 applied. [1.000]
Correlation coefficient: 0.99897 Slope: 0.0333

Hg2 ID: Standard 3 Seq. No.: 00004 A/S Pos.: 12 Date: 05/20/92

Replicate 1 Time: 10:39
Peak Area (A-s): 0.147 Peak Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 4.486

Standard number 3 applied. [5.000]
Correlation coefficient: 0.99935 Slope: 0.0301

Hg2 ID: Standard 4 Seq. No.: 00005 A/S Pos.: 13 Date: 05/20/92

Replicate 1 Time: 10:41
Peak Area (A-s): 0.283 Peak Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.286
Concentration (ug/L): 9.505

Standard number 4 applied. [10.000]
Correlation coefficient: 0.99939 Slope: 0.0289

Case # 19026 SDG# MERA01

Case # 18014 SDG# MYH766

Kruste Butner
05/20/92

Hg2 ID: ICV Seq. No.: 00006 A/S Pos.: 14 Date: 05/20/92

Replicate 1 Time: 10:43
 Peak Area (A-s): 0.142 Peak Height (A): 0.029
 Blank Corrected Pk Area (A-s): 0.144
 Concentration (ug/L): 5.001

DATACHEM LABORATORIES - MERCURY ANALYSIS

Case # 19026 SGD# MERA01
 ↓ 18014 ↓ My H 766

Hg2 ID: ICB Seq. No.: 00007 A/S Pos.: 15 Date: 05/20/92

Replicate 1 Time: 10:44
 Peak Area (A-s): -0.001 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.057

Hg2 ID: CCV1 Seq. No.: 00008 A/S Pos.: 16 Date: 05/20/92

Replicate 1 Time: 10:46
 Peak Area (A-s): 0.148 Peak Height (A): 0.031
 Blank Corrected Pk Area (A-s): 0.150
 Concentration (ug/L): 5.207

Hg2 ID: CCB1 Seq. No.: 00009 A/S Pos.: 17 Date: 05/20/92

Replicate 1 Time: 10:47
 Peak Area (A-s): -0.001 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.030

Hg2 ID: PBS Seq. No.: 00010 A/S Pos.: 18 Date: 05/20/92

Replicate 1 Time: 10:49
 Peak Area (A-s): -0.000 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.068

Hg2 ID: LCSS(5X) Seq. No.: 00011 A/S Pos.: 19 Date: 05/20/92

Replicate 1 Time: 10:50
 Peak Area (A-s): 0.155 Peak Height (A): 0.032
 Blank Corrected Pk Area (A-s): 0.157
 Concentration (ug/L): 5.430 Corrected Conc (ug/L): 27.15

Hg2 ID: MERA01 Seq. No.: 00012 A/S Pos.: 20 Date: 05/20/92

Replicate 1 Time: 10:52
 Peak Area (A-s): 0.040 Peak Height (A): 0.008
 Blank Corrected Pk Area (A-s): 0.042
 Concentration (ug/L): 1.452 Corrected Conc (ug/L): 1.452

Hg2 ID: MERA02 Seq. No.: 00013 A/S Pos.: 21 Date: 05/20/92

DATACHEM LABORATORIES - MERCURY ANALYSIS

Replicate 1
 Peak Area (A-s): 0.002
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.155
 Time: 10:54
 Peak Height (A): 0.001
 Corrected Conc (ug/L): 0.155

Case # 19026 SDG# MERA01
 ↓ 18014 ↓ myH766

Hg2 ID: MERA02D Seq. No.: 00014 A/S Pos.: 22 Date: 05/20/92

Replicate 1
 Peak Area (A-s): 0.006
 Blank Corrected Pk Area (A-s): 0.008
 Concentration (ug/L): 0.284
 Time: 10:55
 Peak Height (A): 0.002
 Corrected Conc (ug/L): 0.284

Hg2 ID: MERA02S Seq. No.: 00015 A/S Pos.: 23 Date: 05/20/92

Replicate 1
 Peak Area (A-s): 0.038
 Blank Corrected Pk Area (A-s): 0.041
 Concentration (ug/L): 1.404
 Time: 10:57
 Peak Height (A): 0.008
 Corrected Conc (ug/L): 1.404

Hg2 ID: MERA03 Seq. No.: 00016 A/S Pos.: 24 Date: 05/20/92

Replicate 1
 Peak Area (A-s): 0.003
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 0.181
 Time: 10:58
 Peak Height (A): 0.002
 Corrected Conc (ug/L): 0.181

Hg2 ID: MERA04 Seq. No.: 00017 A/S Pos.: 25 Date: 05/20/92

Replicate 1
 Peak Area (A-s): 0.013
 Blank Corrected Pk Area (A-s): 0.015
 Concentration (ug/L): 0.516
 Time: 11:00
 Peak Height (A): 0.003
 Corrected Conc (ug/L): 0.516

Hg2 ID: MERA05 Seq. No.: 00018 A/S Pos.: 26 Date: 05/20/92

Replicate 1
 Peak Area (A-s): 0.001
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.130
 Time: 11:01
 Peak Height (A): 0.001
 Corrected Conc (ug/L): 0.130

Hg2 ID: MERA06 Seq. No.: 00019 A/S Pos.: 27 Date: 05/20/92

Replicate 1
 Peak Area (A-s): -0.003
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.032
 Time: 11:03
 Peak Height (A): 0.001
 Corrected Conc (ug/L): -0.032

Hg2 ID: CCV2 Seq. No.: 00020 A/S Pos.: 28 Date: 05/20/92

Replicate 1
 Peak Area (A-s): 0.150
 Blank Corrected Pk Area (A-s): 0.152
 Time: 11:05
 Peak Height (A): 0.031

382

Concentration (ug/L): 5.272

DATACHEM LABORATORIES - MERCURY ANALYSIS

Hg2 ID: CCB2 Seq. No.: 00021 A/S Pos.: 29 Date: 05/20/92

Case#19026 SDG# MERA01
 ↓ 18014 ↓ myH766

Replicate 1 Time: 11:06
 Peak Area (A-s): -0.006 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): -0.004
 Concentration (ug/L): -0.122

Hg2 ID: MERA07 Seq. No.: 00022 A/S Pos.: 30 Date: 05/20/92

Replicate 1 Time: 11:08
 Peak Area (A-s): -0.003 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.019 Corrected Conc (ug/L): -0.019

Hg2 ID: MERA08 Seq. No.: 00023 A/S Pos.: 31 Date: 05/20/92

Replicate 1 Time: 11:09
 Peak Area (A-s): 0.002 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.149 Corrected Conc (ug/L): 0.149

Hg2 ID: MERA09 Seq. No.: 00024 A/S Pos.: 32 Date: 05/20/92

Replicate 1 Time: 11:11
 Peak Area (A-s): -0.002 Peak Height (A): 0.002
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.023 Corrected Conc (ug/L): 0.023

Hg2 ID: MERA10 Seq. No.: 00025 A/S Pos.: 33 Date: 05/20/92

Replicate 1 Time: 11:13
 Peak Area (A-s): 0.003 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.005
 Concentration (ug/L): 0.180 Corrected Conc (ug/L): 0.180

Hg2 ID: MERA11 Seq. No.: 00026 A/S Pos.: 34 Date: 05/20/92

Replicate 1 Time: 11:14
 Peak Area (A-s): 0.006 Peak Height (A): 0.002
 Blank Corrected Pk Area (A-s): 0.008
 Concentration (ug/L): 0.281 Corrected Conc (ug/L): 0.281

Hg2 ID: PBW Seq. No.: 00027 A/S Pos.: 35 Date: 05/20/92

Replicate 1 Time: 11:16
 Peak Area (A-s): -0.001 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.060

DATACHEM LABORATORIES - MERCURY ANALYSIS

Hg2 ID: MERA26 Seq. No.: 00028 A/S Pos.: 36 Date: 05/20/92

Replicate 1 Time: 11:17
 Peak Area (A-s): 0.001 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.003
 Concentration (ug/L): 0.106

Case# 19026 SDG# MERA01
 ↓ 18014 ↓ My/H 766

Hg2 ID: MERA26D Seq. No.: 00029 A/S Pos.: 37 Date: 05/20/92

Replicate 1 Time: 11:19
 Peak Area (A-s): -0.004 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.047

Hg2 ID: MERA26S Seq. No.: 00030 A/S Pos.: 38 Date: 05/20/92

Replicate 1 Time: 11:20
 Peak Area (A-s): 0.035 Peak Height (A): 0.007
 Blank Corrected Pk Area (A-s): 0.037
 Concentration (ug/L): 1.289

Hg2 ID: MERA27 Seq. No.: 00031 A/S Pos.: 39 Date: 05/20/92

Replicate 1 Time: 11:22
 Peak Area (A-s): -0.001 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.056

Hg2 ID: CCV3 Seq. No.: 00032 A/S Pos.: 40 Date: 05/20/92

Replicate 1 Time: 11:23
 Peak Area (A-s): 0.159 Peak Height (A): 0.032
 Blank Corrected Pk Area (A-s): 0.161
 Concentration (ug/L): 5.583

Hg2 ID: CCB3 Seq. No.: 00033 A/S Pos.: 41 Date: 05/20/92

Replicate 1 Time: 11:25
 Peak Area (A-s): -0.002 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.008

Hg2 ID: MERA28 Seq. No.: 00034 A/S Pos.: 42 Date: 05/20/92

Replicate 1 Time: 11:26
 Peak Area (A-s): -0.003 Peak Height (A): 0.001
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.006

Hg2 ID: PBW Seq. No.: 00035 A/S Pos.: 43 Date: 05/20/92

384

6
DATAChem LABORATORIES - MERCURY ANALYSIS

Replicate 1 Time: 11:28
Peak Area (A-s): -0.002 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.022

Case# 19026 SDG# MERA01
↓ 18014 ↓ MYH766

Hg2 ID: MYH755 Seq. No.: 00036 A/S Pos.: 44 Date: 05/20/92

Replicate 1 Time: 11:30
Peak Area (A-s): -0.003 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.013

Hg2 ID: MYH766 Seq. No.: 00037 A/S Pos.: 45 Date: 05/20/92

Replicate 1 Time: 11:31
Peak Area (A-s): -0.002 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.019

Hg2 ID: MYH766D Seq. No.: 00038 A/S Pos.: 46 Date: 05/20/92

Replicate 1 Time: 11:33
Peak Area (A-s): 0.001 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.107

Hg2 ID: MYH766S Seq. No.: 00039 A/S Pos.: 47 Date: 05/20/92

Replicate 1 Time: 11:35
Peak Area (A-s): 0.034 Peak Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 1.246

Hg2 ID: MYH781 Seq. No.: 00040 A/S Pos.: 48 Date: 05/20/92

Replicate 1 Time: 11:36
Peak Area (A-s): -0.002 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.023

Hg2 ID: MYH782 Seq. No.: 00041 A/S Pos.: 49 Date: 05/20/92

Replicate 1 Time: 11:38
Peak Area (A-s): -0.001 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.034

Hg2 ID: MYH783 Seq. No.: 00042 A/S Pos.: 50 Date: 05/20/92

Replicate 1 Time: 11:39
Peak Area (A-s): 0.001 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.003

Concentration (ug/L): 0.113

7
DATAChem LABORATORIES — MERCURY ANALYSIS

Hg2 ID: MYH794 Seq. No.: 00043 A/S Pos.: 51 Date: 05/20/92

Case # 19026 SDG# MERA 01
↓ 18014 ↓ myH 766

Replicate 1 Time: 11:41
Peak Area (A-s): -0.002 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.006

Hg2 ID: CCV4 Seq. No.: 00044 A/S Pos.: 52 Date: 05/20/92

Replicate 1 Time: 11:42
Peak Area (A-s): 0.159 Peak Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 5.600

Hg2 ID: CCB4 Seq. No.: 00045 A/S Pos.: 53 Date: 05/20/92

Replicate 1 Time: 11:44
Peak Area (A-s): -0.000 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.077

Hg2 ID: MYH795 Seq. No.: 00046 A/S Pos.: 54 Date: 05/20/92

Replicate 1 Time: 11:45
Peak Area (A-s): 0.002 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.158

Hg2 ID: CCV5 Seq. No.: 00047 A/S Pos.: 55 Date: 05/20/92

Replicate 1 Time: 11:47
Peak Area (A-s): 0.159 Peak Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 5.601

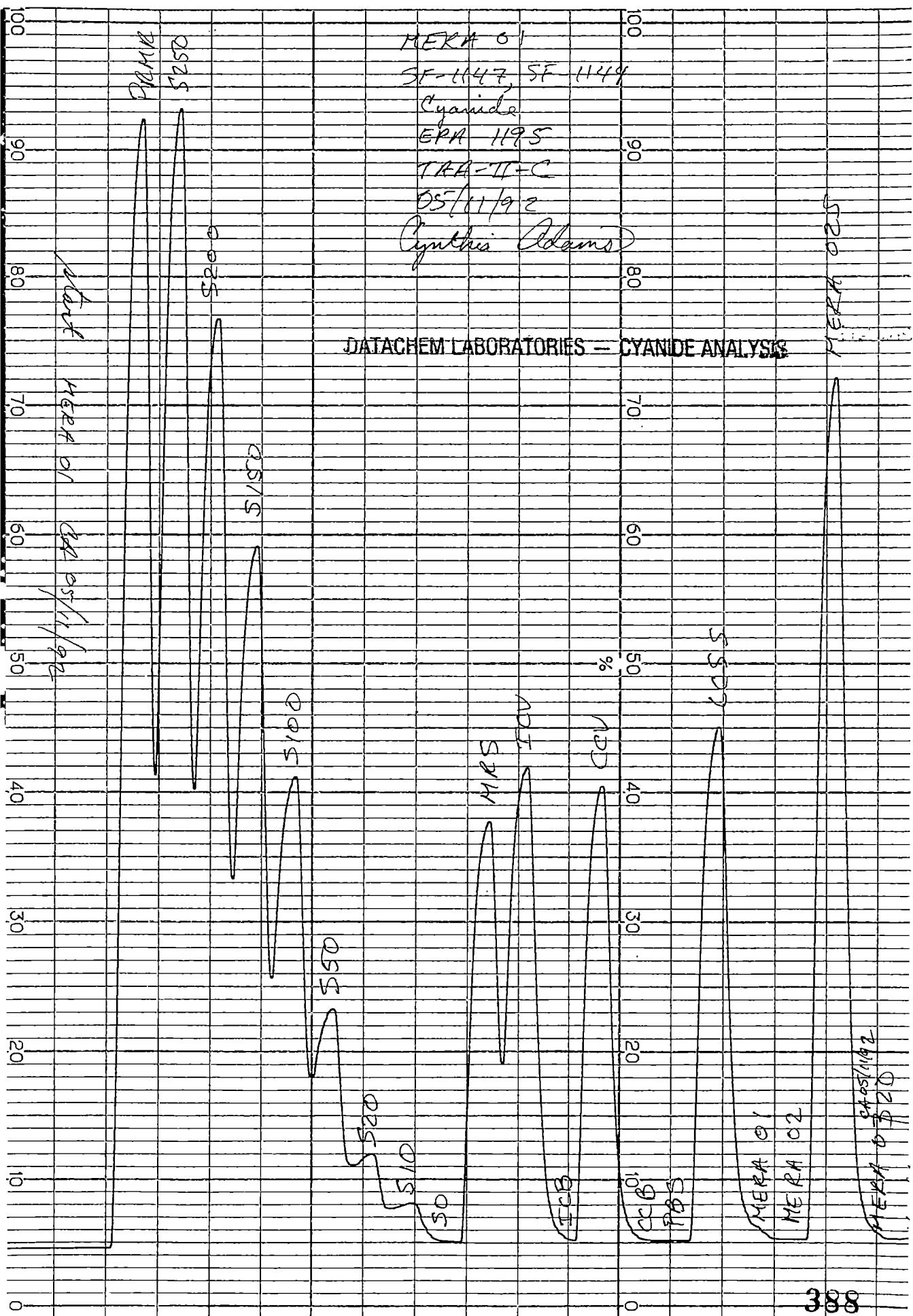
Hg2 ID: CCB5 Seq. No.: 00048 A/S Pos.: 56 Date: 05/20/92

Replicate 1 Time: 11:48
Peak Area (A-s): -0.001 Peak Height (A): 0.001
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.053

DATA CHEM LABORATORIES
960 LEVOY DRIVE
SALT LAKE CITY, UTAH 84123

Report Name: MERA01
May 28, 1992

TEST	SAMPLE ID	RESULTS	WGT.	DIL.	VOL.	REPORTED	UNITS	DATE	TIME
(24 HOUR)									
CN	S250	247.0000	1.00	1.0	1.00	247	UG/L	05/11/92	18:44:45
CN	S200	201.2000	1.00	1.0	1.00	201.2	UG/L	05/11/92	18:46:15
CN	S150	151.5000	1.00	1.0	1.00	151.5	UG/L	05/11/92	18:47:45
CN	S100	101.6000	1.00	1.0	1.00	101.6	UG/L	05/11/92	18:49:15
CN	S50	51.6000	1.00	1.0	1.00	51.6	UG/L	05/11/92	18:50:45
CN	S20	20.2000	1.00	1.0	1.00	20.2	UG/L	05/11/92	18:52:15
CN	S10	9.6200	1.00	1.0	1.00	9.62	UG/L	05/11/92	18:53:45
CN	S0	-0.9990	1.00	1.0	1.00	-0.999	UG/L	05/11/92	18:55:15
CN	S	91.9000	1.00	1.0	1.00	91.9	UG/L	05/11/92	18:56:45
CN	ICV	103.4000	1.00	1.0	1.00	103.4	UG/L	05/11/92	18:58:15
CN	ICB	0.2140	1.00	1.0	1.00	0.214	UG/L	05/11/92	18:59:45
CN	CCV1	99.8000	1.00	1.0	1.00	99.8	UG/L	05/11/92	19:01:15
CN	CCB1	0.0625	1.00	1.0	1.00	0.0625	UG/L	05/11/92	19:02:45
CN	PBS	-0.2410	2.00	1.0	0.25	-0.0301	MG/KG	05/11/92	19:04:15
CN	LCSS	112.4000	5.00	1.0	0.25	5.62	MG/KG	05/11/92	19:05:45
CN	MERA01	2.3400	2.00	1.0	0.25	0.2925	MG/KG	05/11/92	19:07:15
CN	MERA02	-0.1650	2.00	1.0	0.25	-0.0206	MG/KG	05/11/92	19:08:45
CN	MERA02S	188.0000	2.00	1.0	0.25	23.5	MG/KG	05/11/92	19:10:15
CN	MERA02D	2.1900	2.00	1.0	0.25	0.2738	MG/KG	05/11/92	19:11:45
CN	MERA03	1.0500	2.00	1.0	0.25	0.1313	MG/KG	05/11/92	19:13:15
CN	MERA04	-0.2410	2.00	1.0	0.25	-0.0301	MG/KG	05/11/92	19:14:45
CN	MERA05	0.1380	2.00	1.0	0.25	0.0173	MG/KG	05/11/92	19:16:15
CN	MERA06	0.5930	2.00	1.0	0.25	0.0741	MG/KG	05/11/92	19:17:45
CN	CCV2	98.7000	1.00	1.0	1.00	98.7	UG/L	05/11/92	19:19:15
CN	CCB2	0.7450	1.00	1.0	1.00	0.745	UG/L	05/11/92	19:20:45
CN	MERA07	0.3660	2.00	1.0	0.25	0.0458	MG/KG	05/11/92	19:22:15
CN	MERA08	0.6690	2.00	1.0	0.25	0.0836	MG/KG	05/11/92	19:23:45
CN	MERA09	0.3660	2.00	1.0	0.25	0.0458	MG/KG	05/11/92	19:25:15
CN	MERA10	0.6690	2.00	1.0	0.25	0.0836	MG/KG	05/11/92	19:26:45
CN	MERA11	0.7450	2.00	1.0	0.25	0.0931	MG/KG	05/11/92	19:28:15
CN	PBW	0.8970	0.50	1.0	0.25	0.4485	UG/L	05/11/92	19:29:45
CN	MERA26	0.2140	0.25	1.0	0.25	0.214	UG/L	05/11/92	19:31:15
CN	MERA26S	188.5000	0.25	1.0	0.25	188.5	UG/L	05/11/92	19:32:45
CN	MERA26D	2.6400	0.25	1.0	0.25	2.64	UG/L	05/11/92	19:34:15
CN	MERA27	0.8210	0.50	1.0	0.25	0.4105	UG/L	05/11/92	19:35:45
CN	CCV3	101.0000	1.00	1.0	1.00	101	UG/L	05/11/92	19:37:15
CN	CCB3	1.2800	1.00	1.0	1.00	1.28	UG/L	05/11/92	19:38:45
CN	MERA28	0.5930	0.50	1.0	0.25	0.2965	UG/L	05/11/92	19:40:15
CN	CCV4	100.9000	1.00	1.0	1.00	100.9	UG/L	05/11/92	19:41:45
CN	CCB4	1.5000	1.00	1.0	1.00	1.5	UG/L	05/11/92	19:43:15



REVIEWER'S SUMMARY -- CHICAGO MICHIGAN

1. **GENERAL**
The area is characterized by a high density of buildings, mostly single family houses, with some apartment complexes and small commercial buildings. The streets are narrow and the sidewalks are often crowded. The overall impression is one of a densely populated urban neighborhood.

2. **HOUSING**
The housing stock consists primarily of single family houses, many of which appear to be older and in need of maintenance. There are also several apartment complexes and townhouses scattered throughout the area. The houses are generally modest in size and are built close together.

3. **COMMERCIAL AREA**
There is a mix of commercial and residential areas, with small grocery stores, convenience stores, and service stations located near the residential blocks. The commercial areas are relatively compact and lack a distinct central business district.

4. **TRANSPORTATION**
The area has a well-developed network of streets and alleys, but the traffic can be heavy during peak hours. There are also several bus stops and a few streetcar tracks visible. The overall transportation infrastructure appears to be adequate for the current level of activity.

5. **ENVIRONMENT**
The environment in the area is mixed, with both green spaces and industrial areas visible. There are several parks and playgrounds, as well as some larger industrial facilities. The overall impression is one of a diverse urban environment.

6. **PEOPLE**
The people in the area appear to be a mix of different ethnicities and socio-economic backgrounds. There are many young families, as well as older individuals and couples. The overall atmosphere is one of a tight-knit community.

7. **WILDLIFE**
There is very little wildlife present in the area, with only a few birds and small mammals visible. This is likely due to the high density of human activity and the lack of natural habitat.

8. **LANDSCAPE**
The landscape in the area is varied, with both urban and rural elements. There are fields, forests, and bodies of water visible, as well as the built environment of the city.

9. **CLIMATE**
The climate in the area is typical of a temperate zone, with four distinct seasons. The summers are warm and humid, while the winters are cold and snowy. The springs and falls are generally mild and pleasant.

10. **HAZARDS**
The area is subject to several natural hazards, including flooding, earthquakes, and fires. There are also concerns about air quality and noise pollution, particularly from nearby industrial facilities.

BOYD AND BOWMAN ON ENTHUSIASM AND INERTIA

LAST BASE - .393

TEST COMPLETE - DATACHEM LABORATORIES - CYANIDE ANALYSIS

OPERATOR: CA

DATE: 05/11/92

TECHNICON AUTOMANALYZER COMPUTER

CA

CLP# SAMPLE# CN CONC CODE

INIT	BASE	-	1.91	Sample ID	Dilution Factor	Time
			244.5	PENKE	1X	
1	FWR	247.0	S250			18:44:45
2	CAL	201.2	S200			
3	CAL	151.5	S150			
4	CAL	101.6	S100			
5	CAL	51.6	SS0			
6	CAL	20.2	S20			
7	CAL	9.62	S10			
8	CAL	-	SO			
9	CAL	-	999			
10	ISS	91.9	MRS			
11	ISS	103.4	TCU			
12	ISS	.214	TCB			
13	ISS	99.8	CCV			
14	ISS	.0625	CCB			
15	SMPL	1	.241	PBS		
16	SMPL	2	112.4	LCSS		
17	SMPL	3	2.34	MERA 01		
18	SMPL	4	.165	MERA 02		
19	SMPL	5	188.0	MERA 02S		
20	SMPL	6	2.19	MERA 02D		
21	SMPL	7	1.05	MERA 03		
22	SMPL	8	-.241	MERA 04		
23	SMPL	9	-.138	MERA 05		
24	SMPL	10	.593	MERA 06		
25	ISS	98.7	CCV			
26	ISS	"745	CCB			
27	SMPL	11	.366	MERA 07		
28	SMPL	12	.669	MERA 08		
29	SMPL	13	.366	MERA 09		
30	SMPL	14	.659	MERA 10		
31	SMPL	15	.745	MERA 11		
32	SMPL	16	.877	PBUW		
33	SMPL	17	.214	MERA 26		
34	SMPL	18	188.5	MERA 26S		
35	SMPL	19	2.64	MERA 26D		
36	SMPL	20	.821	MERA 27		
37	ISS	101.0	CCV			
38	ISS	1.28	CCB			
39	SMPL	21	.593	MERA 28		
40	ISS	100.9	CCV			
41	ISS	1.50	CCB			
	LAST BASE	-	.393			→

TECHNICON AUTOMANALYZER COMPUTER

CENTRAL REGIONAL LABORATORY SAMPLE DATA REPORT
ORGANICS/INORGANICS

THIS FORM IS TO BE USED FOR SAMPLES SENT TO CONTRACT ONLY

3
SER/SAS No 19026

SITE NAME. Savallay

LABORATORY Datacher

DATE SHIPPED

4/28/92

Page 10 of 10

EPA RPPM or OSC (SMS) / (CES)

SEARCHED **CHD 010467538**

PAGE / OF /

1

5

8

DO NOMB

EE 23

1

PAGE 7 OF 7

JUN 05 1992

G. D. Harris Esq.

**CENTRAL REGIONAL LABORATORY SAMPLE DATA REPORT
ORGANICS/INORGANICS**

THIS FORM IS TO BE USED FOR SAMPLES SENT TO CONTRACT ONLY

CASE NUMBER/SAS No 19026

SITE NAME.

Satralley

LABORATORY

Datachem

DATE SHIPPED

1129/93

SUPERFOUND DU NUMBER

EPA RPM or OSC (SMS)/(ICESI)

CENSUS# OHDO10467538

PAGE 1 OF 1

ACTIVITY NUMBER SSI 22

JUN 05 1992

JUN 05 1992

A.D. Karis E&ST



United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

**Inorganic Traffic Report
& Chain of Custody Record**
(For Inorganic CLP Analysis)

SAS No.
(if applicable)

Case No.
19026

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier	6. Preservative (Enter in Column D)	7. Sample Description (Enter in Column A)				
Regional Information		Sampler (Name)		Airbill Number							
TFA 102		R. Baker		2271398695							
Non-Superfund Program		Sampler Signature		5. Ship To							
Site Name		3. Type of Activity		Remedial Removal							
Satralley		Lead SF PRP ST FED	Pre-Remedial PA SSI LSI	RIFS RD RA O&M NPLD	CLEM REM OIL UST						
City, State. Steubenville, OH		Site Spill ID SSI 22		ATTN: Steve Black		6. Other (Specify) N. Not preserved					
CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis		K Enter Appropriate Qualifier for Designated Field QC				
				Total Dissolved Cyanide	Low Conc. only	High only	B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample				
MERA26	2	L	G	2 X			5-046587, 5-046588	MW-1	4/26/92 1025	RB	EQK 26
MERA26	1			3 X			5-046587, 5-046588	MW-1	4/26/92 1025	RB	EQK 26
MERA27				2 X			5-046595	MW-1D	4/26/92 1025		EQK 27 D (MERA26)
MERA27				3 X			5-046596	MW-1D	4/26/92 1025		EQK 27 D (MERA26)
MERA28				2 X			5-046601	FB-1	4/26/92 1100		EQK 28 B
MERA28	V	V	V	3 X			5-046602	FB-1	4/26/92 1100	V	EQK 28 B
Shipment for Case complete? (Y/N)	Page 1 of 1		Sample used for a spike and/or duplicate			Additional Sampler Signatures		Chain of Custody Seal Number			
			MERA26					157435, 157436			

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
K. Baker	4/26/92 1340	Christopher P. Cappel	Christopher P. Cappel	4/26/92 1610	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab
Copy for Return to SMO

Split Samples Accepted (Signature)

Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

1034603

Inorganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Metals Analysis (Low Level)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Metals Analysis (Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar
Extractable Analysis (Medium Level*)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Volatile Analysis (Low or Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar

Soil/Sediment Samples	Required Volume	Container Type
Metals and Cyanide (CN ⁻) Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Metals and Cyanide* Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar



*All Medium and High Level Samples to be Sealed In Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one double-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:
 - Total metals Preserve with HNO₃ to pH ≤ 2.
 - Dissolved metals Preserve with HNO₃ to pH ≤ 2. No further digestion required.
 - Cyanide Preserve with 10 NaOH to pH ≥ 12.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

FAX: (703) 683-0378



United States Environmental Protection Agency
Contract Laboratory Program: Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No.
(if applicable)

Case No.
19024

1. Project Code 19024-2892	Account Code	2. Region No. 5	Sampling Co. PRC	4. Date Shipped 4/28/92	Carrier Federal Express	6. Preservative (Enter in Column D)	7. Sample Description (Enter in Column A)																								
Regional Information TFA 102		Sampler (Name) C. Hirschman		Airbill Number 227139 Blle Z																											
Non-Superfund Program		Sampler Signature C. Hirschman		5. Ship To DATACHEM Laboratories, Inc 960 West Leroy Drive Salt Lake City, UT 84123 ATTN: Steve Block																											
Site Name Satralley		3. Type of Activity <table border="1"> <tr><td>Lead</td><td>Remedial</td><td>Removal</td></tr> <tr><td>SF</td><td>RIFS</td><td>CLEM</td></tr> <tr><td>PRP</td><td>PA</td><td>REMA</td></tr> <tr><td>ST</td><td>RD</td><td>REM</td></tr> <tr><td>FED</td><td>SSI</td><td>RA</td></tr> <tr><td></td><td>LSI</td><td>O&M</td></tr> <tr><td></td><td>NPLD</td><td>OIL</td></tr> <tr><td></td><td></td><td>UST</td></tr> </table>		Lead	Remedial	Removal	SF	RIFS	CLEM	PRP	PA	REMA	ST	RD	REM	FED	SSI	RA		LSI	O&M		NPLD	OIL			UST				
Lead	Remedial	Removal																													
SF	RIFS	CLEM																													
PRP	PA	REMA																													
ST	RD	REM																													
FED	SSI	RA																													
	LSI	O&M																													
	NPLD	OIL																													
		UST																													
City, State Steubenville, OH	Site Spill ID SSI 22																														
CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis		F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC																			
				Total	Metals	Cyanide	Low Conc. only	High only																							
				Dissolved			Nitrate/Nitrite	Fluoride	pH	Conductivity																					
MERA02	5	L	C	N	X	X					EQK02																				
MERA03	1	1	1	1	X	X					EQK03																				
MERA05	1	1	1	1	X	X					EQK05																				
MERA06	1	1	1	1	X	X					EQK06																				
MERA07	1	1	1	1	V	X					EQK07																				
Shipment for Case complete? (Y/N)	Page 1 of 2		Sample used for a spike and/or duplicate MERA 02			Additional Sampler Signatures			Chain of Custody Seal Number 157428, 157427																						

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) Christine Hirschman	Date / Time 4/28/92 1545	Received by: (Signature) Christopher P. Cappel	Relinquished by: (Signature) Christopher P. Cappel	Date / Time 4/28/92 1550	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:

Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

Split Samples Accepted (Signature)

Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

1034601

Inorganic Sample Collection Requirements

"This form replaces both the Individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Metals Analysis (Low Level)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Metals Analysis (Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar
Extractable Analysis (Medium Level*)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Volatile Analysis (Low or Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar

Soil/Sediment Samples	Required Volume	Container Type
Metals and Cyanide (CN) Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Metals and Cyanide* Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar



*All Medium and High Level Samples to be Sealed In Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one double-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:
 - Total metals Preserve with HNO_3 to $\text{pH} \leq 2$.
 - Dissolved metals Preserve with HNO_3 to $\text{pH} \leq 2$. No further digestion required.
 - Cyanide Preserve with 10 NaOH to $\text{pH} \geq 12$.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

FAX: (703) 683-0378



United States Environmental Protection Agency
Contract Laboratory Program, Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

**Inorganic Traffic Report
& Chain of Custody Record**
(For Inorganic CLP Analysis)

SAS No.
(if applicable)

Case No.

19026

1. Project Code <i>19026</i>	Account Code <i>19026</i>	2. Region No. <i>5</i>	Sampling Co. <i>PRC</i>	4. Date Shipped <i>4/28/92</i>	Carrier <i>Federal Express</i>	6. Preservative (Enter in Column D) 1. HCl 2. HNO3 3. NaOH 4. H ₂ SO4 5. K ₂ Cr ₂ O ₇ 6. Ice only 7. Other (Specify) N. Not preserved	7. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)																								
Regional Information <i>TFA 102</i>		Sampler (Name) <i>C. Hirschman</i>		Airbill Number <i>2271398662</i>																											
Non-Superfund Program		Sampler Signature <i>C. Hirschman</i>		5. Ship To <i>DATACHEM Laboratories, Inc 960 West Levy Drive Salt Lake City, UT 84123 ATTN: Steve Black</i>																											
Site Name <i>Satrally</i>		3. Type of Activity <table border="1"><tr><td>Lead</td><td>Remedial</td><td>Removal</td></tr><tr><td>SF</td><td><input checked="" type="checkbox"/> Remedial</td><td>RIFS</td></tr><tr><td>PRP</td><td><input type="checkbox"/> PA</td><td><input type="checkbox"/> RA</td></tr><tr><td>ST</td><td><input type="checkbox"/> SSI</td><td><input checked="" type="checkbox"/> O&M</td></tr><tr><td>FED</td><td><input type="checkbox"/> LSI</td><td><input type="checkbox"/> NPLD</td></tr><tr><td></td><td></td><td><input type="checkbox"/> CLEM</td></tr><tr><td></td><td></td><td><input type="checkbox"/> REMA</td></tr><tr><td></td><td></td><td><input type="checkbox"/> UST</td></tr></table>		Lead	Remedial			Removal	SF	<input checked="" type="checkbox"/> Remedial	RIFS	PRP	<input type="checkbox"/> PA	<input type="checkbox"/> RA	ST	<input type="checkbox"/> SSI	<input checked="" type="checkbox"/> O&M	FED	<input type="checkbox"/> LSI	<input type="checkbox"/> NPLD			<input type="checkbox"/> CLEM			<input type="checkbox"/> REMA			<input type="checkbox"/> UST		
Lead	Remedial	Removal																													
SF	<input checked="" type="checkbox"/> Remedial	RIFS																													
PRP	<input type="checkbox"/> PA	<input type="checkbox"/> RA																													
ST	<input type="checkbox"/> SSI	<input checked="" type="checkbox"/> O&M																													
FED	<input type="checkbox"/> LSI	<input type="checkbox"/> NPLD																													
		<input type="checkbox"/> CLEM																													
		<input type="checkbox"/> REMA																													
		<input type="checkbox"/> UST																													
City, State <i>Steubenville, OH</i>	Site Spill ID <i>SSI 22</i>																														
CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis		F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a GC Sample																			
MERA01	5	L	C	N	X	X		5-046504	SS-1	4/28/92 1050	CLH	EQK01																			
MERA04					X	X		5-046516	SS-2	4/28/92 1105		EQK04																			
MERA08					X	X		5-046532	SS-8	4/28/92 1200		EQK08																			
MERA09					X	X		5-046536	SS-9	4/28/92 1300		EQK09																			
MERA10					X	X		5-046540	SS-10	4/28/92 1330		EQK10																			
MERA11	↓	↓	↓	↓	X	X		5-046544	SS-11	4/28/92 1125	↓	EQK11																			
Shipment for Case complete? (Y/N)	Page 1 of 2		Sample used for a spike and/or duplicate <i>MERA 02</i>				Additional Sampler Signatures		Chain of Custody Seal Number <i>157427, 157428</i>																						

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>Christine Hirschman</i>	Date / Time <i>4/28/92 1400</i>	Received by: (Signature) <i>Christopher P. Coppel</i>	Relinquished by: (Signature) <i>Christopher P. Coppel</i>	Date / Time <i>4/28/92 1405</i>	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:

Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

Split Samples Accepted (Signature)

Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

1034602

Inorganic Sample Collection Requirements

"This form replaces both the Individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Metals Analysis (Low Level)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Metals Analysis (Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar
Extractable Analysis (Medium Level*)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Volatile Analysis (Low or Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar

Soil/Sediment Samples	Required Volume	Container Type
Metals and Cyanide (CN) Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Metals and Cyanide* Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar



*All Medium and High Level Samples to be Sealed In Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one double-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:
 - Total metals Preserve with HNO_3 to $\text{pH} \leq 2$.
 - Dissolved metals Preserve with HNO_3 to $\text{pH} \leq 2$. No further digestion required.
 - Cyanide Preserve with 10 NaOH to $\text{pH} \geq 12$.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
- Required Information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

FAX: (703) 683-0378

U. S. E. P. A. C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

Satrally
2463
JR

*** S C R E E N I N G P A C K A G E ***
*** S U M M A R Y I N F O R M A T I O N ***

*** SDG: MERA01 ***
*** RESUBMITTED ***

*** ILM01.0 VER. 1.1 ***

*** CASE: 19026 ***

*** LAB: DATAC ***

*** CONTRACT: 68-D0-0149 ***

*** REGION: 5 ***

*** DRD: 06/16/92 ***

*** FORMAT: A ***

*** SCREEN DATE: 06/04/92 ***

*** MAIL DATE 1: 06/09/92 ***

*** MAIL DATE 2: 06/25/92 ***
*** SCREENER: EQ ***

INORGANIC CONTRACT COMPLIANCE SCREENING SUMMARY

DEFECT COUNT BY SAMPLE AND FORM
RESUBMITTED

CASE: 19026	SAMPLES: 14	QC DONE BY: JP	DATE MAILED: 06/25/92
LAB CODE: DATAc	CONTRACT: 68-D0-0149	SAS NO:	SCREENER: EQ
SDG NUMBER: MERA01	REGION: 5	DATE RECEIVED: 06/16/92	

U. S. E. P. A. CONTRACT LABORATORY PROGRAM

3

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

DEFECT CODE	NUMBER OF DEFECTS	PERCENT OF TOTAL DEFECTS	DEFECT MESSAGE
5215	175	100.00	INVALID METHOD (M)
	=====	=====	
	175	100.00	

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 25

I AADAS 29.00 N* FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 34

I AADPB 641.00 * FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 40

I AADSE 0.14UN FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 43

I AADTL 1.80 FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 50

I ABDAS 15.60 N* FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 59

I ABDPB 33.00 * FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 6 5

I A B D S E 1.20UN F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
D	I N V A L I D M E T H O D (M)	F M	C V / F / P / A S / T / N R

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 6 8

I A B D T L 0.52B F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
D	I N V A L I D M E T H O D (M)	F M	C V / F / P / A S / T / N R

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 5

I A C D A S 10.90 N* F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
D	I N V A L I D M E T H O D (M)	F M	C V / F / P / A S / T / N R

U.S.E.P.A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 84

I ACDPB 76.20 * FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE D	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/F/P/AS/T/NR
-----------	-------------------------------	---------------------	---------------------------------

RELATIVE FILE POSITION: RECORD # 90

I ACDSE 0.32BNW FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE D	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/F/P/AS/T/NR
-----------	-------------------------------	---------------------	---------------------------------

RELATIVE FILE POSITION: RECORD # 93

I ACDTL 0.43B FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE D	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/F/P/AS/T/NR
-----------	-------------------------------	---------------------	---------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 0

I ADDAS 1.80 N* FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
D	I N V A L I D M E T H O D (M)	F M	C V / F / P / A S / T / N R

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 9

I ADDPB 4.10 * FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
D	I N V A L I D M E T H O D (M)	F M	C V / F / P / A S / T / N R

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 5

I ADDSE 0.10UNW FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
D	I N V A L I D M E T H O D (M)	F M	C V / F / P / A S / T / N R

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 118

I ADDTL 0.10U FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 125

I AEDAS 1.20BN* FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 134

I AEDPB 1.70 * FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M .
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAAC SDG: MERA01

RELATIVE FILE POSITION: RECORD # 140

I AEDSE 1.90UNW FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE D	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/F/P/AS/T/NR
-----------	-------------------------------	---------------------	---------------------------------

RELATIVE FILE POSITION: RECORD # 143

I AEDTL 0.19U FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE D	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/F/P/AS/T/NR
-----------	-------------------------------	---------------------	---------------------------------

RELATIVE FILE POSITION: RECORD # 150

I AFDAS 4.80 N* FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE D	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/F/P/AS/T/NR
-----------	-------------------------------	---------------------	---------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAAC SDG: MERA01

RELATIVE FILE POSITION: RECORD # 159

I AFDPB 5.60 * FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
..... DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 165

I AFDSE 2.50UNW FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
..... DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 168

I AFDTL 0.25U FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
..... DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 175

I AGDAS 2.50 N* FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 184

I AGDPB 6.80 * FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 190

I AGDSE 2.20UNW FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 193

I AGDTL 0.22U FM
-----+-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
P	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 200

I AHDAS 23.60 N* FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 209

I AHD PB 35.40 * FM
-----+-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
DD.....

CODE **PROBLEM** **CURRENT VALUE** **CORRECT VALUE**
D INVALID METHOD (M) FM CV/F/P/AS/T/NR

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 215

I AH0SE 2.50UNW FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 218

I AHDTL 0.44B FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 225

I AIDAS 21.20 N* FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 234

I AIDPB 35.20 * FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....

CCDE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/F/P/AS/T/NF

RELATIVE FILE POSITION: RECORD # 240

I AIDSE 3.30UNW FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 243

CODE **PROBLEM** **CURRENT VALUE** **CORRECT VALUE**
D INVALID METHOD (M) FM CV/F/P/AS/T/NR

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 250

I AJDAS 29.40 N* FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 259

I AJDPB 43.80 * FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 265

I AJDSE 2.00UNW FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 2 6 8

I A J D T L 0 . 6 2 B F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
..... DD

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 2 7 5

I A K D A S 1 7 . 7 0 N * F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
..... DD

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 2 8 4

I A K D P B 5 7 . 0 0 * F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
..... DD

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 290

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 293

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 298

CODE **PROBLEM** **CURRENT VALUE** **CORRECT VALUE**
D **INVALID METHOD (M)** **PM** **CV/F/P/AS/T/NR**

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 300

I ALDAS 1.90B FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
PP

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 309

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/E/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 315

CODE **PROBLEM** **CURRENT VALUE** **CORRECT VALUE**
D TVALIDD METHOD (M) FM CV/E/P/AS/T/N

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 318

I ALDTL 1.10UW FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 326

I AMDAS 1.10U FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 335

I AMDPB 11.10UN FM
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 341

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 344

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) FM CV/E/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 352

I ANDAS 1.20B FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE PROBLEM CURRENT VALUE CORRECT VALUE
D INVALID METHOD (M) EM CV/E/P/AS/T/N

U. S. E. P. A. C O N T R A C T L A B O R A T O R Y P R O G R A M

S A M P L E M A N A G E M E N T O F F I C E

I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 361

I ANDPB 3.60 N FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 367

I ANDSE 1.10UN FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

RELATIVE FILE POSITION: RECORD # 370

I ANDTL 1.10U FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	CV/F/P/AS/T/NR

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAAC SDG: MERA01

RELATIVE FILE POSITION: RECORD # 675

III AADAS 1.3B 1.2B 1.0U 1.0U 1.111UFM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 684

III AADPB 1.0U 1.0U 1.0U 1.0U 1.111UFM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 690

III AADSE 1.0U 1.0U 1.0U 1.0U 1.111UFM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 6 9 3

I I I A A D T L 1 . 0 U 1 . 0 U 1 . 0 U 1 . 0 U 1 . 1 1 1 U F M
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....KK.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
K	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 0 0

I I I A B D A S 1 . 7 B 1 . 6 B 0 . 1 0 0 U F M
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....KK.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
K	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 0 9

I I I A B D P B 1 . 0 U 1 . 0 U 1 . 0 U 0 . 1 0 0 U F M
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....KK.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
K	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 1 5

I I I A B D S E 1 . 0 U 1 . 0 U 1 . 0 U 0 . 1 0 0 U F M
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----+---1 0 0
.....KK.....

C O D E K	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 1 8

I I I A B D T L 1 . 0 U 1 . 0 U 1 . 0 U 0 . 1 0 0 U F M
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----+---1 0 0
.....KK.....

C O D E K	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 2 5

I I I A C D A S 1 . 0 U 1 . 0 U 1 . 0 U F M
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----+---1 0 0
.....KK.....

C O D E K	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 734

III ACDPB 1.0U 1.0U FM
----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....KK.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
K	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 740

III ACDSE 1.0U FM
----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....KK.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
K	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 743

III ACDTL 1.0U 1.0U 1.0U 1.0U FM
----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....KK.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
K	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 750

III ADDAS 1.0U 1.0U 1.0U 1.0U FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 759

III ADDPB 1.0U 1.0U 1.0U 1.0U FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 765

III ADDSE 1.0U 1.0U 1.0U 3.6B FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U. S. E. P. A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 768

III ADDTL 1.0U 1.0U FM
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 775

III AEDAS 1.0U 1.0U 1.0U FM
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 784

III AEDPB 1.0U 1.0U 1.0U FM
----+---1-----2-----3-----4-----5-----6-----7-----8-----9-----+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A O I

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 7 9 0

I I I A E D S E 1 . 0 U 1 . 0 U 1 . 0 U F M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
K	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 8 0 0

I I I A F D A S 1 . 0 U 1 . 0 U F M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
K	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 8 0 9

I I I A F D P B 1 . 0 U F M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
K	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 815

III AFDSE 1.00 FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 834

III AGDPB -1.4B -1.4B -1.0B FM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....KK.....

CODE K	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 922

V(1) AADAS75-125 22.3049 15.5976 4.88 137.4NFM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 9 3 1

V(1) AADPB 33.1707 32.9756 2.44 8.0 FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....II.....

C O D E I	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 9 3 7

V(1) AADSE75-125 0.7415 1.2195U 1.22 60.8NFM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....II.....

C O D E I	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 9 4 0

V(1) AADTL75-125 6.8012 0.5159B 6.10 103.0 FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....II.....

C O D E I	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 945

CODE I **PROBLEM** **CURRENT VALUE** **CORRECT VALUE**
INVALID METHOD (M) **PM** **PFCVASPMAMFMACA**

RELATIVE FILE POSITION: RECORD # 946

V(1) ABDSB75-125 591.3944 48.8889U 555.56 106.5 PM
1.....2.....3.....4.....5.....6.....7.....8.....9.....100
II.....

CODE PROBLEM CURRENT VALUE CORRECT VALUE
I INVALID METHOD (M) PM PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 947

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
I	INVALID METHOD (M)	FM	PFCVASPMAFMACA

U.S.E.P.A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 948

V(1) ABDBA75-125 2428.5867 26.1016B 2222.22 108.1 PM
1.....2.....3.....4.....5.....6.....7.....8.....9.....100
II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 950

V(1) ABCD75-125 59.0426 4.4444U 55.56 106.3 PM
1.....2.....3.....4.....5.....6.....7.....8.....9.....100
II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 952

V(1) ABDCR75-125 .235.3394 7.7778U 222.22 105.9 PM
1.....2.....3.....4.....5.....6.....7.....8.....9.....100
II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 953

V(1) ABDC075-125 593.9483 4.4444U 555.56 106.9 PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 954

V(1) ABDCU75-125 323.4367 4.4444U 277.78 116.4 PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 955

V(1) ADFE75-125 1237.2484 7.7778U 1111.11 111.4 PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 956

V(1) ABDPB75-125 15.2333 1.1111U 22.22 68.6NFM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 958

V(1) ABDMN75-125 735.2619 140.4278 555.56 107.1 PM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 960

V(1) ABDNI75-125 611.0648 18.8889U 555.56 110.0 PM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 962

V(1) ABDSE75-125 7.5000 1.1111U 11.11 67.5NPM
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 963

V(1) ABDAG75-125 60.4728 4.4444U 55.56 108.8 PM
-----+-----+-----+-----+-----+-----+-----+-----+-----+
1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 965

V(1) ABDTL75-125 47.9889 1.1111U 55.56 86.4 FM
-----+-----+-----+-----+-----+-----+-----+-----+-----+
1-----2-----3-----4-----5-----6-----7-----8-----9-----100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 966

V(1) ABDV 75-125 611.5210 5.5556U 555.56 110.1 PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 967

V(1) ABDZN75-125 596.3007 5.5556U 555.56 107.3 PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....II.....

CODE I	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 997

VI AADAS 15.5976 9.5232 48.4*FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U. S. E. P. A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1006

VI AADPB 32.9756 22.1463 39.3*FM
 -----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1012

VI AADSE 1.2195U 0.1951B 200.0 FM
 -----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1015

VI AADTL 0.5159B 0.4256B 19.2 FM
 -----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 2 0

V I A B D A L 4 5 . 2 2 3 7 B 2 6 . 6 6 6 7 U 2 0 0 . 0 P M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 2 1

V I A B D S B 4 8 . 8 8 8 9 U 4 9 . 7 0 0 7 B 2 0 0 . 0 P M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 2 2

V I A B D A S 1 . 8 7 7 7 8 B 1 . 3 3 3 3 B 3 3 . 9 F M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	F M	P F C V A S P M A M F M A C A

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

**STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS**

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1023

CODE **PROBLEM** **CURRENT VALUE** **CORRECT VALUE**
H **INVALID METHOD (M)** **PM** **PFCVASPMAFMACA**

RELATIVE FILE POSITION: RECORD # 1924

VI ABBDE 1.1111U 1.1111U PM
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
H	INVALID METHOD (M)	PM	PFCVASPMAFMACA

RELATIVE FILE POSITION: RECORD # 1025

VÍ ABDCD 4.4444U 4.4444U PM -----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
HH

CODE PROBLEM CURRENT VALUE CORRECT VALUE
H INVALID METHOD (M) PM PFCVASPMAMFAC

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 2 6

V I A B D C A 1 7 3 9 1 2 . 1 5 0 0 1 7 8 3 3 4 . 2 3 0 0 2 . 5 P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 2 7

V I A B D C R 7 . 7 7 7 8 U 7 . 7 7 7 8 U P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 2 8

V I A B D C O 4 . 4 4 4 4 U 4 . 4 4 4 4 U P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1029

VI ABDCU 27.8 4.4444U 38.1676 200.0*PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1030

VI ABDFE 7.7778U 7.7778U PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1031

VI ABDPB 1.1111U 1.1111U FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M

S A M P L E M A N A G E M E N T O F F I C E

I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 3 2

VI A B D M G 3 5 4 4 5 . 1 2 1 0 3 5 5 4 1 . 2 5 6 0 0 . 3 P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 3 3

VI A B D M N 1 4 0 . 4 2 7 8 1 3 6 . 5 5 0 1 2 . 8 P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 3 5

VI A B D N I 1 8 . 8 8 8 9 U 1 8 . 8 8 8 9 U P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1036

VI ABDK 2802.2171B 2410.1517B 15.0 PM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1037

VI ABDSE 1.1111U 1.1111U FM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1038

VI ABDAG 4.4444U 4.4444U PM
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....HH.....

CODE H	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 3 9

V I A B D N A 5 5 5 5 . 6 2 4 6 7 7 . 7 0 4 0 2 4 8 4 4 . 3 3 3 0 0 . 7 P M
----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----1 0 0
.....HH.....

C O D E H	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E P M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 4 0

V I A B D T L 1 . 1 1 1 1 U 1 . 1 1 1 1 U F M
----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----1 0 0
.....HH.....

C O D E H	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E F M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 4 1

V I A B D V 5 . 5 5 5 6 U 5 . 5 5 5 6 U P M
----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----1 0 0
.....HH.....

C O D E H	P R O B L E M I N V A L I D M E T H O D (M)	C U R R E N T V A L U E P M	C O R R E C T V A L U E P F C V A S P M A M F M A C A
--------------	--	--------------------------------	--

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 0 4 2

V I A B D Z N 5 . 5 5 5 6 U 5 . 5 5 5 6 U P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....HH.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
H	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 2 7

I X A B D A L 4 0 . 7 0 B 1 1 2 3 . 2 0 2 6 5 9 . P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 2 8

I X A B D S B 4 4 . 0 0 U 2 2 0 . 0 0 U P M
---+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

U. S. E. P. A. C O N T R A C T L A B O R A T O R Y P R O G R A M

S A M P L E M A N A G E M E N T O F F I C E

I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1130

IX ABDBA 23.49B 22.09B 6.0 PM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
G	INVALID METHOD (M)	PM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 1131

IX ABDBE 1.00U 5.00U PM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
G	INVALID METHOD (M)	PM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 1132

IX ABCDD 4.00U 20.00U PM
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
G	INVALID METHOD (M)	PM	PFCVASPMAMFMACA

U. S. E. P. A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1133

IX ABDCA 156520.94 161936.35 3.5 PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

CODE G	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1134

IX ABDCR 7.00U 35.00U PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

CODE G	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

RELATIVE FILE POSITION: RECORD # 1135

IX ABDCO 4.00U 20.00U PM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

CODE G	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE PFCVASPMAMFMACA
-----------	-------------------------------	---------------------	----------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 3 6

I X A B D C U 4 . 0 0 U 2 9 . 8 6 B P M
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---1 0 0
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 3 7

I X A B D F E 7 . 0 0 U 3 5 . 0 0 U P M
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---1 0 0
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 3 9

I X A B D M G 3 1 9 0 0 . 6 1 3 1 2 9 9 . 0 8 1 . 9 P M
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---1 0 0
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 4 0

I X A B D M N 1 2 6 . 3 8 1 0 6 . 2 1 1 6 . 0 E P M
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 4 2

I X A B D N I 1 7 . 0 0 U 8 5 . 0 0 U P M
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 4 3

I X A B D K 2 5 2 2 . 0 0 B 3 1 0 0 . 0 0 U 1 0 0 . 0 P M
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 4 5

I X A B D A G 4 . 0 0 U 2 0 . 0 0 U P M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 4 6

I X A B D N A 2 2 2 0 9 . 9 3 2 1 6 9 5 . 7 9 B 2 . 3 P M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 1 4 8

I X A B D V 5 . 0 0 U 2 5 . 0 0 U P M
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....GG.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
G	I N V A L I D M E T H O D (M)	P M	P F C V A S P M A M F M A C A

U. S. E. P. A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1149

IX ABDZN 5.00U 25.00U PM
 -----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
GG.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
G	INVALID METHOD (M)	PM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 1199

X ABDTL 276.80BZ 1.0FM
 -----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 1220

X ACDSE 196.00BZ 1.0FM
 -----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

U. S. E. P. A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAAC SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1238

X ADDPB 283.30BZ 1.0FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 1253

X AEDAS 193.70BZ 1.0FM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....DD.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
D	INVALID METHOD (M)	FM	PFCVASPMAMFMACA

RELATIVE FILE POSITION: RECORD # 1502

XIII AEHFM
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
A	INVALID METHOD (M)	FM	CV/P/F/T/AS/C

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M

S A M P L E M A N A G E M E N T O F F I C E

I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 5 3 5

XIII A F H F M

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 6 3 4

XIV A A H A A S - Z E E F M 0 5 / 1 5 / 9 2 0 5 / 1 5 / 9 2

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 6 6 7

XIV A B H A A S - Z E E F M 0 5 / 1 5 / 9 2 0 5 / 1 5 / 9 2

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 6 9 9

XIV ACHAAS-ZEE FM05/15/9205/15/92

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 7 3 1

XIV ADHAAS-ZEE FM05/18/9205/18/92

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 7 6 4

XIV AEHAAS-ZEE FM05/18/9205/18/92

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 7 9 7

XIV AFHAAS-ZEE FM05/18/9205/18/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 8 2 9

XIV AGHAAS-ZED FM05/15/9205/15/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 1 8 6 2

XIV AHHAAS-ZED FM05/15/9205/15/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM
STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1895

XIV AIHAAS-ZED FM05/15/9205/15/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
A	INVALID METHOD (M)	FM	CV/P/F/T/AS/C

RELATIVE FILE POSITION: RECORD # 1927

XIV AJHAAS-ZED FM05/18/9205/18/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
A	INVALID METHOD (M)	FM	CV/P/F/T/AS/C

RELATIVE FILE POSITION: RECORD # 1960

XIV AKHAAS-ZED FM05/18/9205/18/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE	PROBLEM	CURRENT VALUE	CORRECT VALUE
A	INVALID METHOD (M)	FM	CV/P/F/T/AS/C

U. S. E. P. A. C O N T R A C T L A B O R A T O R Y P R O G R A M

S A M P L E M A N A G E M E N T O F F I C E

I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 1993

XIV ALHAAS-ZED FM05/18/9205/18/92

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

RELATIVE FILE POSITION: RECORD # 2025

XIV AMHAAS-ZED FM05/19/9205/19/92

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

RELATIVE FILE POSITION: RECORD # 2057

XIV ANHAAS-ZEC FM05/15/9205/15/92

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M

S A M P L E M A N A G E M E N T O F F I C E

I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M

S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

S T R U C T U R A L D E F E C T R E P O R T (#1)
R E C O R D S W I T H I N V A L I D F I E L D S

L A B : D A T A C S D G : M E R A 0 1

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 2 0 9 0

XIV A Q H A A S - Z E C F M 0 5 / 1 5 / 9 2 0 5 / 1 5 / 9 2

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 2 1 2 2

XIV A P H A A S - Z E C F M 0 5 / 1 8 / 9 2 0 5 / 1 8 / 9 2

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

R E L A T I V E F I L E P O S I T I O N : R E C O R D # 2 1 5 5

XIV A Q H A A S - Z E C F M 0 5 / 1 8 / 9 2 0 5 / 1 8 / 9 2

----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

C O D E	P R O B L E M	C U R R E N T V A L U E	C O R R E C T V A L U E
A	I N V A L I D M E T H O D (M)	F M	C V / P / F / T / A S / C

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAAC SDG: MERA01

RELATIVE FILE POSITION: RECORD # 2188

XIV ARHAAS-ZEC FM05/18/9205/18/92

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

RELATIVE FILE POSITION: RECORD # 2220

XIV ASHAAS-ZEB FM05/15/9205/15/92

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

RELATIVE FILE POSITION: RECORD # 2253

XIV ATHAAS-ZEB FM05/15/9205/15/92

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8-----+-----9-----+-----100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
S T R U C T U R A L D E F E C T F R E Q U E N C Y R E P O R T

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATAc SDG: MERA01

RELATIVE FILE POSITION: RECORD # 2285

XIV AUHAAS-ZEB FM05/18/9205/18/92
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

RELATIVE FILE POSITION: RECORD # 2318

XIV AVHAAS-ZEB FM05/18/9205/18/92
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE FM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

RELATIVE FILE POSITION: RECORD # 2480

XIV BAHICP-B PM05/20/9205/20/92
----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

U. S. E. P. A. CONTRACT LABORATORY PROGRAM

SAMPLE MANAGEMENT OFFICE

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

STRUCTURAL DEFECT FREQUENCY REPORT

STRUCTURAL DEFECT REPORT (#1)
RECORDS WITH INVALID FIELDS

LAB: DATA C SDG: MERA01

RELATIVE FILE POSITION: RECORD # 2513

XIV BBHICP-B PM05/20/9205/20/92

-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8---+---9---+---100
.....AA.....

CODE A	PROBLEM INVALID METHOD (M)	CURRENT VALUE PM	CORRECT VALUE CV/P/F/T/AS/C
-----------	-------------------------------	---------------------	--------------------------------

U.S.E.P.A. CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

U . S . E . P . A . C O N T R A C T L A B O R A T O R Y P R O G R A M
S A M P L E M A N A G E M E N T O F F I C E
I N O R G A N I C C O N T R A C T C O M P L I A N C E S C R E E N I N G S Y S T E M
T E X T U A L D E F E C T R E P O R T

**** NO DEFECT FOUND FOR TEXTUAL DEFECT REPORT ****

U.S.E.P.A. - C.L.P.

S A M P L E M A N A G E M E N T O F F I C E

INORGANICS
RESOLUTION OF CONTRACT COMPLIANCE SCREENING (CCS) RESULTS

LABORATORY CODE : DATAc

CASE : 19026

SDG_NO.: MERA01

RECONCILED BY :

RECONCILIATION DATE :

CRITERION	COMMENTS

P.O. BOX 818, ALEXANDRIA, VIRGINIA 22313. PHONE : (703) 684-5678/FTS-8-557-2490

Satralloy

FEDERAL REGISTER
VOLUME 56, NUMBER 114
JULY 18, 1991
PAGES 2401-2402

COVER SHEET

LABORATORY RESPONSE TO RESULTS OF CONTRACT COMPLIANCE SCREENING (CCS)

Response To: (Check One) Organic Agency Standard Test Data
 Inorganic Agency Standard Test Data

Response materials should be sent to the attention of the CCS Coordinator.

Labcode: DATAAC Response Date: June 15, 1992

EPA Contract No. 68-D0-0149

Case No. 19026

SDG No. MERA01

Samples Nos.*	<u>MERA01</u>	<u>MERA08</u>
	<u>MERA02</u>	<u>MERA09</u>
	<u>MERA03</u>	<u>MERA10</u>
	<u>MERA04</u>	<u>MERA11</u>
	<u>MERA05</u>	<u>MERA26</u>
	<u>MERA06</u>	<u>MERA27</u>
	<u>MERA07</u>	<u>MERA28</u>

*Only list sample numbers that require reconciliation.

This form is used to identify materials sent in response to results of Contract Compliance Screening (CCS). A separate form must accompany the response for each SDG.

Please indicate (on the attached form) which fractions and/or which criteria correspond with your resubmission.

549

INORGANIC LABORATORY RESPONSE TO RESULTS OF CCS

530

ENVIROFORMS/INORGANIC CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DATAChem LABORATORIES

Contract: 68-D0-0149

Lab Code: DATAc

Case No.: 19026

SAS No.:

SDG No.: MERA01

Initial Calibration Source: EPA-LV

Continuing Calibration Source: SPEX

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M
	True	Found	%R(1)	True	Found	%R(1)	Found	
Aluminum								NR
Antimony								NR
Arsenic				50.0	48.48	97.0	50.06	FM
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead				50.0	50.34	100.7		FM
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium				50.0	50.61	101.2		FM
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INORGANIC COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME DataChem Laboratories CITY/STATE Salt Lake City, Utah

CASE NO. 19026 SDG NO. MERAOI SDG NOS. TO FOLLOW NA NA NA SAS NO. NA

CONTRACT NO. 68-DO-0149 SOW NO. 3/90 IPE NO. _____

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II G AND SECTION III U)

	PAGE NOS FROM TO	CHECK LAB EPA
1. Inventory Sheet (Form DC-2) (Do not number)	_____	_____
2. Cover Page	_____	_____
3. Inorganic Analysis Data Sheet (Form I)	_____	_____
4. Initial and Continuing Calibration Verification (Form II, Part 1)	_____	_____
5. CRDL Standard for AA and ICP (Form II, Part 2)	_____	_____
6. Blanks (Form III)	_____	_____
7. ICP Interference Check Sample (Form IV)	_____	_____
8. Spike Sample Recovery (Form V, Part 1)	_____	_____
9. Post Digest Spike Sample Recovery (Form V, Part 2))	_____	_____
10. Duplicates (Form VI)	_____	_____
11. Laboratory Control Sample (Form VII)	_____	_____
12. Standard Addition Results (Form VIII)	_____	_____
13. ICP Serial Dilutions (Form IX)	_____	_____
14. Instrument Detection Limits, Quarterly (Form X)	_____	_____
15. ICP Interelement Correction Factors, Annually (Form XI, Part 1)	_____	_____
16. ICP Interelement Correction Factors, Annually (Form XI, Part 2)	_____	_____
17. ICP Linear Ranges Quarterly (Form XII)	_____	_____
18. Preparation Log (Form XIII)	_____	_____
19. Analysis Run Log (Form XIV)	_____	_____
20. ICP Raw Data	_____	_____
21. Flame AA Raw Data	_____	_____
22. Furnace AA Raw Data	_____	_____
23. Mercury Raw Data	_____	_____
24. Cyanide Raw Data	_____	_____
25. Percent Solids Calculations	_____	_____

(Date)	(Presented Name/Title)	(Signature)	(IPDA) Approved by:
(Date)	(Presented Name/Title)	(Signature)	(Clerk Lab) Completed by:
			34. Comments:
	N/A N/A 551 549	Case Narrative LAWAER LMPMIAKE FEEUAK REJIAKE	
		33. Other Records (descrip. of lab)	
		Detailed description of analysis, interpretation and laboratory work	
		Analytical records - Interpretation and standard laboratory	
		Preparation records	(descrip. of lab)
		Detailed original sample preparation and analytical records	
		Detailed lab sample transmission records and tracking sheets	
		Sample work order	
		Transcription logs	
		Detailed sample handling/processing records	
		SDG cover sheet	
		Sample Log-In Sheet (Lab & Form DC-1)	
		Samples tags	
		Chain-of-custody records	
		Attachments (No. of specimens -)	
		ZPA Sampling/Processing documents	
		Dissertation logs (Cyanides Only)	
		ZPA no. 19626 SDG no. MEC401 SDG nos. 10 motion N/A N/A N/A SDS no. N/A	

INORGANIC COMPLEXES SDG FILE (CSI) INVENTORY SHEET (Contd)